

From: Chan, Christina
Sent: Monday, November 07, 2005 11:20 AM
To: Whiteman, Brian; STIC-Biotech/ChemLib
Subject: RE: RUSH seq search

RECEIVED
NOV - 7 2005
STIC/CHEN, CHRISTINA
(STIC)

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644

(571)-272-0841

Remsen, 3E89

-----Original Message-----

From: Whiteman, Brian
Sent: Monday, November 07, 2005 10:46 AM
To: Chan, Christina
Subject: RUSH seq search

Christina,

sequence search after final.
Requesting a RUSH search

09/820,095 Wei et al. 3/29/01

SEQ ID NO: 1 and SEQ ID NO: 2 and nucleotides 1-2000 and 10,000-11,000 of SEQ ID NO: 3

- 1) search against us issued and published us patent databases
- 2) interference search

Thank you,

Brian Whiteman
Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

Searcher: OP
Searcher Phone: 202-504
Date Searcher Picked up: 11/8
Date completed: 11/15
Searcher Prep Time: 10
Online Time: 15

Type of Search
NA# ✓ AA# ✓
S/L: ✓ Oligomer: ✓
Encode/Transl: ✓
Structure #: ✓ Text: ✓
Inventor: ✓ Litigation: ✓

Vendors and cost where applicable
STN: ✓
DIALOG: ✓
QUESTEL/ORBIT: ✓
LEXIS/NEXIS: ✓
SEQUENCE SYSTEM: ✓
WWW/Internet: ✓
Other (Specify): ✓

This Page Blank (uspto)


```

? GENERAL INFORMATION:
? APPLICANT: VENTER, J. Craig et al.
? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
? TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: C1001307
? CURRENT APPLICATION NUMBER: US/09/949,016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 143733
? LENGTH: 601
? TYPE: DNA
? ORGANISM: Human
? US-09-949-016-143733

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Query Match	16.2%	Score 162.4	DB 4	Length 601
Best Local Similarity	81.3%	Pred. No. 1.2e-34		
Matches 187	Conservative	1	Mismatches 42	Indels 0
				Gaps 0

[illegible]

```

RESULT 3
US-09-949-016-15797
; Sequence: 15797, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15797
; LENGTH: 34725
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-15797

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Query Match	16.1%	Score 161.2	DB 4	Length 34725
Best Local Similarity	81.3%	Pred. No. 1.7e33		
Matches 187	Conservative	0	Mismatches 43	Indels 0
				Gaps 0

Oy 772 TTCCCTTCTCCCCCAGCTTGTTTTTTTAAAGACAGAATCATTCGTGAC 831

[illegible]

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RESULT 4
US-09-949-016-12808
; Sequence 12808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH INFECTION, WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12808
; LENGTH: 34765
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12808

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Query Match	16.1%	Score	161.2	DB	4	Length	34765	
Best Local Similarity	81.3%	Pred. No.	1.7e-33					
Matches 187	Conservative	0	Mismatches	43	Indels	0	Gaps	0

QY	772	TTCCCTTTCCCTTACGCTTGTCTTTTTTTTTTAAAGCAGAAATCTATTTCTGTAC	831
Db	4879	TGCTGCTGCTCTTTTTTTTTTTTTTTTTTTTTTTTGAAGCAGAAGTTCACTCTGTGTC	4938
QY	832	CCAAGCTGAGATGCAGTGGCCCCGACCTCGGCTCACTTAACCTGTGTTCTGTGGATTCAA	891
Db	4939	CCAGGCTGGAGTGCAGTGGCAGACAGTCTCAGCTCACTTAACTTACATCTCTGGATTCAA	4998
QY	892	CCGATTCTCCTTCTCTAGCCTTCTGAGTAGCTGAATTAACAGTGTGCGCCACTTACTCC	951
Db	4999	GCGATTCTCCTGCTCAGCCTCCCGAGTAGCTGGGATTAACAGGGGCCGACACACAGCC	5058
QY	952	AGCAATTTTTATATTTTGGTAGATTAAGATGGTTTTTCACAACTTGGC	1001
Db	5059	GGCTAATTTTGTATTTTTTTTATAGTAGAGATGGGATTTCAACCAATGGTGGC	5108

RESULT 5
US-09-381-681-1
; Sequence 1, Application US/09381681

: APPLICANT: TAKINO, Takashi
 : APPLICANT: NAKAMURA, Yusuke
 : TITLE OF INVENTION: HUMAN GENES
 : FILE REFERENCE: Q55876
 : CURRENT APPLICATION NUMBER: US/09/381,661
 : CURRENT FILING DATE: 2000-01-10
 : EARLIER APPLICATION NUMBER: JPA 9-093044

```

; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1293
; TYPE: DNA
; ORGANISM: Human
US-09-381-681-1

Query Match      15.5%; Score 154.8; DB 3; Length 1293;
Best Local Similarity 71.0%; Pred. No. 2.1e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

Qy 107 CCAGGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 166
Db 605 CTAAGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 664
Qy 167 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 226
Db 665 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 724
Qy 227 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 286
Db 725 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 749
Qy 287 GCTCTGGAGAGAGGTCCCGGGCCACCCACCGGTGGAAGCTATGTCTATGTGACAGG 346
Db 750 GCTCTGGAGAGAGGTCCCGGGCCACCCACCGGTGGAAGCTATGTCTATGTGACAGG 752
Qy 347 TGGCTCTGTAGGCAATCAGAGTTCAGTGGATTTGACCTGGACACCGGGGACTGTGCTG 406
Db 753 TGGCTCTGTAGGCAATCAGAGTTCAGTGGATTTGACCTGGACACCGGGGACTGTGCTG 812
Qy 407 CTGGCTCTACTACTCTCTTCCAGCTGCAAGAGAGAGCTAACAATTCAAGGTGAGGC-CCCA 465
Db 813 CTGGCTCTACTACTCTCTTCCAGCTGCAAGAGAGAGCTAACAATTCAAGGTGAGGC-CCCA 872
Qy 466 CTGCTCCAGTGCACCTGCTGCGGCCCATCGCCCT 501
Db 873 CTGCTCCAGTGCACCTGCTGCGGCCCATCGCCCT 908

RESULT 6
US-09-191-136-30
; Sequence 30, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; FILE REFERENCE: 6293 US P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequencing Primer (polynucleotide)
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US-09-191-136-30
Query Match      15.5%; Score 154.8; DB 3; Length 1360;
Best Local Similarity 71.0%; Pred. No. 2.1e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

Qy 107 CCAGGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 166
Db 650 CTAAGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 709
Qy 167 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 226
Db 710 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 769
Qy 227 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 286
Db 770 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 794
Qy 287 GCTCTGGAGAGAGGTCCCGGGCCACCCACCGGTGGAAGCTATGTCTATGTGACAGG 346
Db 795 GCTCTGGAGAGAGGTCCCGGGCCACCCACCGGTGGAAGCTATGTCTATGTGACAGG 797
Qy 347 TGGCTCTGTAGGCAATCAGAGTTCAGTGGATTTGACCTGGACACCGGGGACTGTGCTG 406
Db 798 TGGCTCTGTAGGCAATCAGAGTTCAGTGGATTTGACCTGGACACCGGGGACTGTGCTG 857
Qy 407 CTGGCTCTACTACTCTCTTCCAGCTGCAAGAGAGAGCTAACAATTCAAGGTGAGGC-CCCA 465
Db 858 CTGGCTCTACTACTCTCTTCCAGCTGCAAGAGAGAGCTAACAATTCAAGGTGAGGC-CCCA 917
Qy 466 CTGCTCCAGTGCACCTGCTGCGGCCCATCGCCCT 501
Db 918 CTGCTCCAGTGCACCTGCTGCGGCCCATCGCCCT 953

RESULT 7
US-09-381-681-2
; Sequence 2, Application US/09381681
; Patent No. 6235472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: 055876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1697
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)..(1338)
US-09-381-681-2

Query Match      15.5%; Score 154.8; DB 3; Length 1697;
Best Local Similarity 71.0%; Pred. No. 2.3e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

Qy 107 CCAGGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 166
Db 650 CTAAGTCGAATGCTTGAGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGTATGAAAC 709
Qy 167 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 226
Db 710 CACAATTCAGACCCCTACTGTCCTGCTGTCGTCGATTTGGAGACCTGTCGTCGCAAGGCTGGAG 769
Qy 227 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 286
Db 770 GGAACCTTCGAGAGACCTGCGCTTGTGCTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGG 794
```

Db 770 GGACCTTCAGAGCACTGGCGTTGCT----- 794
Qy 287 GCTCTGGAGAGGGTCCCGGGCCACCACCGGTGMAAAGCTATGCTATGTGAGGG 346
Db 795 -----GGG 797
Qy 347 TGGCTGTAGAGCATCAGAGTTTCTAGTGGATTTGTGACCTGGACACCGGGACTCTGGCTG 406
Db 798 TGGCTGTAGAGCATCAGAGTTTCTAGTGGATTTGTGACCTGGACACCGGGGGACTCTGGCTG 857
Qy 407 CTGGCTCTACTACTCTCTTCCAGCTGCAGAGAGAGACTTACACTTCAAGGTAGAGC-CCCA 465
Db 858 CTGGCTCTACTACTCTCTTCCAGCTGCAGAGAGAGACTTACACTTCAAGGTAGAGCAGCACTCA 917
Qy 466 CTGGCTCCAGTGGCCAGCTGCTGGGCCCATCGCCCT 501
Db 918 CTGGTGGAGCAACCGGGGTGTGAGGCCCCGACCT 953

RESULT 8
US-09-497-855A-38
; Sequence 38, Application US/09497855A
; Patent No. 6603432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523
; CURRENT APPLICATION NUMBER: US/09/497, 855A
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120, 592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118, 760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 38
; LENGTH: 128779
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-38

Query Match 15.3%; Score 153; DB 4; Length 128779;
Best Local Similarity 77.2%; Pred. No. 5.5e-31;
Matches 186; Conservative 0; Mismatches 55; Indels 0; Gaps 0;
Qy 759 TTTTCACTTTTACTTTCCTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACGAGT 818
Db 94246 TATTAATTATTAATTTTAAATTTTATTTCTACTTTTTTTTTTTTGGAGACAAGAT 94305
Qy 819 CTCATCTGTGACCCAGGCTGAGTGCAGTGGCCGACCTGGCTCACTGTACCTCTGC 878
Db 94306 CTTACTCTGTGACCCAGGCTGAGTGCAGTGGCCGACCTGGCTCACTGTGACCTCTGC 94365
Qy 879 TTCCTGGTTTCAACCATTTCTCTCTCTCAGCTCTCTGAGTACTGGAATTACAGGTGCT 938
Db 94366 CTCCTGAGTTTCAAGAGATTTCTGTGCTCAGCTCTCCGAGTACTGGATTAAGGCACA 94425
Qy 939 CGGCACTACTCCAGCTAATTTTTTATTTTGTGTAATAGATGGGTTTCAATGTT 998
Db 94426 TGGCACCAGCCAGCTAATTTTTTGTATTTTGTGTAGAGAGCGAGTTTCAACATGCT 94485
Qy 999 G 999
Db 94486 G 94486

RESULT 9
US-09-949-016-81108/c
; Sequence 81108, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81108
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81108

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;
Qy 761 TCATTTTACTTTCCTCTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGATCT 820
Db 488 TCATTTCTGTGTGCTCTCTCTGACCTTATTTTATTTTATTTTGGAGACAGAGTCT 429
Qy 821 CATCTGTGACCCAGGCTGAGTGCAGTGGCCGACCTGGCTCACTGTACCTGCTCT 880
Db 428 CACTCTGTGACCCAGGCTGAGTGCAGTGGCCGACCTGGCTCACTGTGACCTGCTCT 369
Qy 881 CCTGGTTCAACCGATTCTCTCTCTCAGCTCTCTGAGTGTGAAATTACAGTGTCTG 940
Db 368 CCGGTCTTAATGATTTCTCTACTCAGCTCCGAGTGTGAGTATTCAGTGTGCGG 309
Qy 941 CCACTACTCCAGCTAATTTTATTTTGTGTAATAGATGGTTTCAATGTTGG 1000
Db 308 CCACCACRGTGCTAATTTTGTATTT--TCGGTAGAGAGCGGTTTCACTATGTTGA 252
Qy 1001 C 1001
Db 251 C 251

RESULT 10
US-09-949-016-81109/c
; Sequence 81109, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81109
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81109

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;
Qy 761 TCATTTTACTTTCCTCTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGATCT 820

[illegible]

```

RESULT 11
US-09-949-016-14091/C
; Sequence 14091, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14091
; LENGTH: 48994
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14091

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Query Match	15.1%	Score 151.4	DB 4	Length 48994
Best Local Similarity	79.7%	Pred. No. 9.6e-31		
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				Gaps 1
Oy	761	TCATTTTACATTCCTCCCTTCCTCCAGCTCTGTTTTTTTTTTTAAAGACAGATCT	820	
Db	4768	TCATTTCTTTGTCTCTCTTGACCTTATTTTATTTTATTTTGTGAGACAGAGCTCT	47099	
Oy	821	CATTCTGCACCCAGGCTGGAGTGCAGTGGGCCGACCTCGGCTCACTTAACTCTGCTT	880	
Db	4708	CACCTGTGTGGCCAGCTAGAGTGAAGTGGGCCCACTTCGGCTATTGCATCTTGCTCT	46439	
Oy	881	CTGTGGTTCAACCGATTCCTCTCTCAGCTCCTGAGTAGCTGGAATTAGAGTGTCTG	940	
Db	4648	CCCGTTTCAGATGATTCCTCTACTCAGCTCCCGAGTAGTGGAATTACAGGTGCCG	45893	
Oy	941	CCACTACTCCACAGCTAATTTTATATTTTGGTAGATAGAGATGGTTTTCACATGTTGG	10000	
Db	4588	CCACACACCCCTGGCTAATTTTGTATTT---TCGGTAGAGACGGGGTTTCACTATGTGGA	45323	
Oy	1001	CT		
Db	4531	CT		

```

; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17183
; LENGTH: 18572
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-17183

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	Query Match	15.1%;	Score 151.2;	DB 4	Length 18572;
	Best Local Similarity	76.2%;	Pred. No. 6,9e-31;		
	Matches 186;	Conservative 0;	Mismatches 58;	Indels 0;	Gaps 0;
Oy	757 TGTTTCATTTTTTACTCTTCCCTTCCTCCCTCAGCTTGTTGTTTTTTTTTTTAAGAACA	816			
Db	10852 TGAATCATTTTACATGTGATGGATTTTTTCTTTTTCCTTTTTTTTTTTTTTTTAAAGACAGA	10911			
Oy	817 ATCTCATTTCTGCACCAGCGTGGAGNGACAGTGGCCGACCTCGGCTCACTGTAACCTCT	876			
Db	10912 GTCTCGCTCTGTACCCAGGCTGGATGACAGTGGACAACTTTGGGCCCACTGCACACTCC	10971			
Oy	877 GCTTCTCGGGTTCAACCGATTCTCTTCTCTCAGCTCTCTGAGTAGCTGSAATTAACA	936			
Db	10972 ACCCTCCGGGGTTCAAGGATTTCCCTCCCTCATCTCTCCGAGTAGCTGGATTAACAGGGG	11031			
Oy	937 CTGGCCACTCTCCGACGCTAATTTTATATTTTGGAGATPAGATAGGCTTTTCAACATG	996			
Db	11032 CGCACCCACGAGCCGACGTATTTTTTTATAATTTTAAAGAGAGGGGTTTCACTATA	11091			
Oy	997 TTGG 1000				
Db	11092 TTGG 11095				

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Query Match      15.1%   Score 151   DB 4   Length 601;

US-09-949-016-81110/c
; Sequence 81110, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81110
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81110

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 14, 2005, 09:54:02 ; Search time 824.146 Seconds
(without alignments)
10044.443 Million cell updates/sec

Title: US-09-820-095B-3_COPY_10000_11000

Perfect score: 1001
1 accacgacacccctcagcaag.....tgggtttcacatgttgc 1001

Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 4134909567 residues

Total number of hits satisfying chosen parameters: 19589580

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/prodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
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- 6: /cgn2_6/prodata/2/pubpna/US07_PUBCOMB.seq:*
- 7: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq:*
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- 11: /cgn2_6/prodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/prodata/2/pubpna/US09C_PUBCOMB.seq:*
- 13: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/prodata/2/pubpna/US10_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/2/pubpna/US10_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 18: /cgn2_6/prodata/2/pubpna/US10F_PUBCOMB.seq:*
- 19: /cgn2_6/prodata/2/pubpna/US10F_PUBCOMB.seq:*
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- 24: /cgn2_6/prodata/2/pubpna/US10F_PUBCOMB.seq:*
- 25: /cgn2_6/prodata/2/pubpna/US11_PUBCOMB.seq:*
- 26: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq:*
- 27: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
- 28: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1001	100.0	16449	10	US-09-820-095-3
2	393	39.3	576	9	US-09-864-761-9249
3	383	38.3	738	13	US-09-925-065A-54950
4	383	38.3	738	13	US-09-925-065A-54951
5	379	37.9	1406	13	US-09-925-065A-71141

Query Match	Best Local Similarity	100.0%; Score 1001; DB 10; Length 16449;
Matches 1001; Conservative 0; Mismatches 0; Indels 0;		
QY	1	ACACGTCACCTTACGACAGTTCTTCTAAGTAAGCAGAGTGGGTCTCATCTGCCC 60
DB	10000	ACACGTCACCTTACGACAGTTCTTCTAAGTAAGCAGAGTGGGTCTCATCTGCCC 10059

ALIGNMENTS

US-09-820-095-3	US-09-864-761-2179	US-09-925-065A-69234	US-09-925-065A-83683	US-09-925-065A-83682	US-09-925-065A-83681	US-09-925-065A-83680	US-09-925-065A-83679	US-09-925-065A-83678	US-09-925-065A-83677	US-09-925-065A-83676	US-09-925-065A-83675	US-09-925-065A-83674	US-09-925-065A-83673	US-09-925-065A-83672	US-09-925-065A-83671	US-09-925-065A-83670	US-09-925-065A-83669	US-09-925-065A-83668	US-09-925-065A-83667	US-09-925-065A-83666	US-09-925-065A-83665	US-09-925-065A-83664	US-09-925-065A-83663	US-09-925-065A-83662	US-09-925-065A-83661	US-09-925-065A-83660	US-09-925-065A-83659	US-09-925-065A-83658	US-09-925-065A-83657	US-09-925-065A-83656	US-09-925-065A-83655	US-09-925-065A-83654	US-09-925-065A-83653	US-09-925-065A-83652	US-09-925-065A-83651	US-09-925-065A-83650	US-09-925-065A-83649	US-09-925-065A-83648	US-09-925-065A-83647	US-09-925-065A-83646	US-09-925-065A-83645	US-09-925-065A-83644	US-09-925-065A-83643	US-09-925-065A-83642	US-09-925-065A-83641	US-09-925-065A-83640	US-09-925-065A-83639	US-09-925-065A-83638	US-09-925-065A-83637	US-09-925-065A-83636	US-09-925-065A-83635	US-09-925-065A-83634	US-09-925-065A-83633	US-09-925-065A-83632	US-09-925-065A-83631	US-09-925-065A-83630	US-09-925-065A-83629	US-09-925-065A-83628	US-09-925-065A-83627	US-09-925-065A-83626	US-09-925-065A-83625	US-09-925-065A-83624	US-09-925-065A-83623	US-09-925-065A-83622	US-09-925-065A-83621	US-09-925-065A-83620	US-09-925-065A-83619	US-09-925-065A-83618	US-09-925-065A-83617	US-09-925-065A-83616	US-09-925-065A-83615	US-09-925-065A-83614	US-09-925-065A-83613	US-09-925-065A-83612	US-09-925-065A-83611	US-09-925-065A-83610	US-09-925-065A-83609	US-09-925-065A-83608	US-09-925-065A-83607	US-09-925-065A-83606	US-09-925-065A-83605	US-09-925-065A-83604	US-09-925-065A-83603	US-09-925-065A-83602	US-09-925-065A-83601	US-09-925-065A-83600	US-09-925-065A-83599	US-09-925-065A-83598	US-09-925-065A-83597	US-09-925-065A-83596	US-09-925-065A-83595	US-09-925-065A-83594	US-09-925-065A-83593	US-09-925-065A-83592	US-09-925-065A-83591	US-09-925-065A-83590	US-09-925-065A-83589	US-09-925-065A-83588	US-09-925-065A-83587	US-09-925-065A-83586	US-09-925-065A-83585	US-09-925-065A-83584	US-09-925-065A-83583	US-09-925-065A-83582	US-09-925-065A-83581	US-09-925-065A-83580	US-09-925-065A-83579	US-09-925-065A-83578	US-09-925-065A-83577	US-09-925-065A-83576	US-09-925-065A-83575	US-09-925-065A-83574	US-09-925-065A-83573	US-09-925-065A-83572	US-09-925-065A-83571	US-09-925-065A-83570	US-09-925-065A-83569	US-09-925-065A-83568	US-09-925-065A-83567	US-09-925-065A-83566	US-09-925-065A-83565	US-09-925-065A-83564	US-09-925-065A-83563	US-09-925-065A-83562	US-09-925-065A-83561	US-09-925-065A-83560	US-09-925-065A-83559	US-09-925-065A-83558	US-09-925-065A-83557	US-09-925-065A-83556	US-09-925-065A-83555	US-09-925-065A-83554	US-09-925-065A-83553	US-09-925-065A-83552	US-09-925-065A-83551	US-09-925-065A-83550	US-09-925-065A-83549	US-09-925-065A-83548	US-09-925-065A-83547	US-09-925-065A-83546	US-09-925-065A-83545	US-09-925-065A-83544	US-09-925-065A-83543	US-09-925-065A-83542	US-09-925-065A-83541	US-09-925-065A-83540	US-09-925-065A-83539	US-09-925-065A-83538	US-09-925-065A-83537	US-09-925-065A-83536	US-09-925-065A-83535	US-09-925-065A-83534	US-09-925-065A-83533	US-09-925-065A-83532	US-09-925-065A-83531	US-09-925-065A-83530	US-09-925-065A-83529	US-09-925-065A-83528	US-09-925-065A-83527	US-09-925-065A-83526	US-09-925-065A-83525	US-09-925-065A-83524	US-09-925-065A-83523	US-09-925-065A-83522	US-09-925-065A-83521	US-09-925-065A-83520	US-09-925-065A-83519	US-09-925-065A-83518	US-09-925-065A-83517	US-09-925-065A-83516	US-09-925-065A-83515	US-09-925-065A-83514	US-09-925-065A-83513	US-09-925-065A-83512	US-09-925-065A-83511	US-09-925-065A-83510	US-09-925-065A-83509	US-09-925-065A-83508	US-09-925-065A-83507	US-09-925-065A-83506	US-09-925-065A-83505	US-09-925-065A-83504	US-09-925-065A-83503	US-09-925-065A-83502	US-09-925-065A-83501	US-09-925-065A-83500	US-09-925-065A-83499	US-09-925-065A-83498	US-09-925-065A-83497	US-09-925-065A-83496	US-09-925-065A-83495	US-09-925-065A-83494	US-09-925-065A-83493	US-09-925-065A-83492	US-09-925-065A-83491	US-09-925-065A-83490	US-09-925-065A-83489	US-09-925-065A-83488	US-09-925-065A-83487	US-09-925-065A-83486	US-09-925-065A-83485	US-09-925-065A-83484	US-09-925-065A-83483	US-09-925-065A-83482	US-09-925-065A-83481	US-09-925-065A-83480	US-09-925-065A-83479	US-09-925-065A-83478	US-09-925-065A-83477	US-09-925-065A-83476	US-09-925-065A-83475	US-09-925-065A-83474	US-09-925-065A-83473	US-09-925-065A-83472	US-09-925-065A-83471	US-09-925-065A-83470	US-09-925-065A-83469	US-09-925-065A-83468	US-09-925-065A-83467	US-09-925-065A-83466	US-09-925-065A-83465	US-09-925-065A-83464	US-09-925-065A-83463	US-09-925-065A-83462	US-09-925-065A-83461	US-09-925-065A-83460	US-09-925-065A-83459	US-09-925-065A-83458	US-09-925-065A-83457	US-09-925-065A-83456	US-09-925-065A-83455	US-09-925-065A-83454	US-09-925-065A-83453	US-09-925-065A-83452	US-09-925-065A-83451	US-09-925-065A-83450	US-09-925-065A-83449	US-09-925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QY 61 CAAGACCTCTCTGTCTCCCTCACTCATCTACCTTTCCACTCTCTCCAGGCTCCATGCC 120
DB 10060 CAAGACCTCTCTGTCTCCCTCACTCATCTACCTTTCCACTCTCTCCAGGCTCCATGCC 10119
QY 121 TTGGAGACCTGGAGACCCCACTTATTTTAAGCAGCGCCGATGAAACACAATTCAGCCCC 180
DB 10120 TTGGAGACCTGGAGACCCCACTTATTTTAAGCAGCGCCGATGAAACACAATTCAGCCCC 10179
QY 181 TACTGTCCGCTGTTCGCGATTTGGGAGACCTGTGGCCAAAGGCTGAGGAGCTTTCAGAGAC 240
DB 10180 TACTGTCCGCTGTTCGCGATTTGGGAGACCTGTGGCCAAAGGCTGAGGAGCTTTCAGAGAC 10239
QY 241 CTGGCGCTGTGTGGTGTCCCAAGTTGGGGGAGGGTTCCTTAAGAGGCTCTGGAGAGGG 300
DB 10240 CTGGCGCTGTGTGGTGTCCCAAGTTGGGGGAGGGTTCCTTAAGAGGCTCTGGAGAGGG 10299
QY 301 TCCCGGGGCCACCCACCGGTGAAAGCTATGTGCTATGTGCAAGGGGTCTGTAGGCA 360
DB 10300 TCCCGGGGCCACCCACCGGTGAAAGCTATGTGCTATGTGCAAGGGGTCTGTAGGCA 10359
QY 361 TCAGAGTTCACTGGGATTTGTACCTGGACAACCGGGGACTGTGGCTCTCACTACT 420
DB 10360 TCAGAGTTCACTGGGATTTGTACCTGGACAACCGGGGACTGTGGCTCTCACTACT 10419
QY 421 CCTTCCAGCTGGAGAGAAAGCTACACTTCAGGTGAGGCCCTCTCCAGTGGCC 480
DB 10420 CCTTCCAGCTGGAGAGAAAGCTACACTTCAGGTGAGGCCCTCTCCAGTGGCC 10479
QY 481 AGCTGTGGGGCCATGAGCCCTCTCACTGTGGGGCCAGAGACAGACCAACCCAGGCCAG 540
DB 10480 AGCTGTGGGGCCATGAGCCCTCTCACTGTGGGGCCAGAGACAGACCAACCCAGGCCAG 10539
QY 541 GCCTCTAGATATTCCACTAGTGTGCAAGGGGGTCCAGAGAGAGAGAGAGCTGTCTC 600
DB 10540 GCCTCTAGATATTCCACTAGTGTGCAAGGGGGTCCAGAGAGAGAGAGAGCTGTCTC 10599
QY 601 AACCCCAACATCTCCAGACAGAGGCTCCGTCTCTGCTGCCCAATCTCTGAGCCCTCAACC 660
DB 10600 AACCCCAACATCTCCAGACAGAGGCTCCGTCTCTGCTGCCCAATCTCTGAGCCCTCAACC 10659
QY 661 CATCTGTCCAGAGCCCTGCTGAGGCTCCTCACTGAGCCCTCTCCAGCCCA 720
DB 10660 CATCTGTCCAGAGCCCTGCTGAGGCTCCTCACTGAGCCCTCTCCAGCCCA 10719
QY 721 CCTGCTTCTAGATTTCTCCCTCCACAGCAATGGGGTGTTCATTTTACTTTCCCTTC 780
DB 10720 CCTGCTTCTAGATTTCTCCCTCCACAGCAATGGGGTGTTCATTTTACTTTCCCTTC 10779
QY 781 TCCCTCTAGCTTTGTTTTTTTTTTTTTAAAGACAAATCTCATCTGTCAACCAAGCTGG 840
DB 10780 TCCCTCTAGCTTTGTTTTTTTTTTTTTAAAGACAAATCTCATTTCTGTCAACCAAGCTGG 10839
QY 841 AGTGCAGTGGCCGACCTGCGCTCACTGTAACTCTGCTTCTGGGTTCAACGATTC 900
DB 10840 AGTGCAGTGGCCGACCTGCGCTCACTGTAACTCTGCTTCTGGGTTCAACGATTC 10899
QY 901 CTTCCTCAGCTTCTGAGTAGCTGAATTAAGAGTCTGCGCACTACTCCAGCTAATTT 960
DB 10900 CTTCCTCAGCTTCTGAGTAGCTGAATTAAGAGTCTGCGCACTACTCCAGCTAATTT 10959
QY 961 TTAATATTTGGTAGAAGAGATGGTTTTCACAAATGTGGC 1001
DB 10960 TTAATATTTGGTAGAAGATGGTTTTCACAAATGTGGC 11000

RESULT 2

US-09-864-761-9249/c
Sequence 9249 Application US/09864761
Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 9249
LENGTH: 576
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC002472.3
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.1
US-09-864-761-9249

Query Match

Best Local Similarity 39.3%; Score 393; DB 9; Length 576;
Pred. No. 1.7e-104;

Matches 393; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACACAGTCACTTTCAGCAAGTTCACTTCTCTAAGTAAGACAGAGTGGGTCTCATCTGCC 60
DB 393 ACACAGTCACTTTCAGCAAGTTCACTTCTCTAAGTAAGACAGAGTGGGTCTCATCTGCC 334
QY 61 CAAGACCTCTCTGTGCTCCCTCACTCATCTGACCTTTCCCACTCTTCCAGGTCCAAATGCC 120
DB 333 CAAGACCTCTCTGTGCTCCCTCACTCATCTGACCTTTCCCACTCTTCCAGGTCCAAATGCC 274
QY 121 TTGGAGACCTGGAGACCCCACTTATTTTAAGCACTGCGGTATGAGACCAACAATTCAGCCCC 180
DB 273 TTGGAGACCTGGAGACCCCACTTATTTTAAGCACTGCGGTATGAGACCAACAATTCAGCCCC 214

```
QY 181 TACTGTCCGCTGTTCGCAATTGGGGGACCTGCTGGCCAAAGGCTGGAGGACCTTCGAGGAC 240
Db 213 TACTGTCCGCTGTTCGCAATTGGGGGACCTGCTGGCCAAAGGCTGGAGGACCTTCGAGGAC 154
QY 241 CTGGCGTTGCTGTGGGTGCCAAGTTGGGGGCAAGGTTCTCTAAGAGGCTCTGGAGAGGG 300
Db 153 CTGGCGTTGCTGTGGGTGCCAAGTTGGGGGCAAGGTTCTCTAAGAGGCTCTGGAGAGGG 94
QY 301 TCCCGGGCCCAACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGGGTGCTGTAGGCA 360
Db 93 TCCCGGGCCCAACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGGGTGCTGTAGGCA 34
QY 361 TCAGAGTTCACTGGGATTGTGACCTGGACCCG 393
Db 33 TCAGAGTTCACTGGGATTGTGACCTGGACCCG 1

RESULT 3
US-09-925-065A-54950
; Sequence 54950, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252, 147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250, 092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261, 766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289, 846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54950
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-54950

Query Match 38.3%; Score 383; DB 13; Length 738;
Best Local Similarity 100.0%; Pred. No. 1.5e-101;
Matches 383; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Db 656 TCCCGGGCCCAACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGGGTGCTGTAGGCA 715
QY 361 TCAGAGTTCACTGGGATTGTGAC 383
Db 716 TCAGAGTTCACTGGGATTGTGAC 738

RESULT 4
US-09-925-065A-54951
; Sequence 54951, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252, 147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250, 092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261, 766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289, 846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54951
; LENGTH: 738
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-54951

Query Match 38.3%; Score 383; DB 13; Length 738;
Best Local Similarity 100.0%; Pred. No. 1.5e-101;
Matches 383; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCC 60
Db 356 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCC 415
QY 61 CAAGACCTCTCTGTCTCCCTACCTCATCTGACCTTTCCCATCTCTCCAGGTCCAATGCC 120
Db 416 CAAGACCTCTCTGTCTCCCTACCTCATCTGACCTTTCCCATCTCTCCAGGTCCAATGCC 475
QY 121 TTGGAGACTGGGACCCCACTATTTTAAGCACTGCGGCTATGAAACCAATTGACGCC 180
Db 476 TTGGAGACTGGGACCCCACTATTTTAAGCACTGCGGCTATGAAACCAATTGACGCC 535
QY 181 TACTGTCCGCTGTTCGCAATTGGGGACCTGCTGGCCAAAGGCTGGAGGACCTTCGAGGAC 240
Db 536 TACTGTCCGCTGTTCGCAATTGGGGACCTGCTGGCCAAAGGCTGGAGGACCTTCGAGGAC 595
QY 241 CTGGCGTTGCTGTGGGTGCCAAGTTGGGGGCAAGGTTCTCTAAGAGGCTCTGGAGAGGG 300
Db 596 CTGGCGTTGCTGTGGGTGCCAAGTTGGGGGCAAGGTTCTCTAAGAGGCTCTGGAGAGGG 655
QY 301 TCCCGGGCCCAACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGGGTGCTGTAGGCA 360
Db 716 TCAGAGTTCACTGGGATTGTGAC 738

RESULT 5
US-09-925-065A-71141
; Sequence 71141, Application US/09925065A
; Publication No. US20050228172A9
```

```

; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 71141
; LENGTH: 1406
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-065A-71141

Query Match      37.9%; Score 379; DB 13; Length 1406;
Best Local Similarity 100.0%; Pred. No. 2.8e-100;
Matches 379; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ACACAGTCACTTCCAGCAAGTTCATCTCTAAGTAGAGAGAGTGGTCTCATCTGCCC 60
DB      1028 ACACAGTCACTTCCAGCAAGTTCATCTCTAAGTAGAGAGAGTGGTCTCATCTGCCC 1087
QY      61 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTCCCATCTCCAGAGTCCATAGCC 120
DB      1088 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTCCCATCTCCAGAGTCCATAGCC 1147
QY      121 TTGGAGACCTGGAGCCCACTATTTTAAAGACCTGCGCTATGAAACCAATTCAGCCCC 180
DB      1148 TTGGAGACCTGGAGCCCACTATTTTAAAGACCTGCGCTATGAAACCAATTCAGCCCC 1207
QY      181 TACTGTCCCGTGTTCCTGGCATTTGGGGACCTTCGTGGCCAAAGCTGGAGAGACCTTCGAGGAC 240
DB      1208 TACTGTCCCGTGTTCCTGGCATTTGGGGACCTTCGTGGCCAAAGCTGGAGAGACCTTCGAGGAC 1267
QY      241 CTGGACCTTGTGGTGGTCCCAATGGTGGGGCAGGGTTCCTAGAGGGCTCTGGAGAGGG 300
DB      1268 CTGGACCTTGTGGTGGTCCCAATGGTGGGGCAGGGTTCCTAGAGGGCTCTGGAGAGGG 1327
QY      301 TCCCGGGCCACCCACCGGTGMAAAAGCTATGTCTATGTGACAGGGTGGCTCTGTAGGCA 360
DB      1328 TCCCGGGCCACCCACCGGTGMAAAAGCTATGTCTATGTGACAGGGTGGCTCTGTAGGCA 1387
QY      361 TCAGAGTTCACGTGGGATTG 379
DB      1388 TCAGAGTTCACGTGGGATTG 1406

RESULT 6
US-09-864-761-2179/c
; Sequence 2179, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
```

```

; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2179
; LENGTH: 440
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.9
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 6.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.4
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.7
; US-09-864-761-2179

Query Match      36.4%; Score 364; DB 9; Length 440;
Best Local Similarity 100.0%; Pred. No. 4.8e-96;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ACACAGTCACTTCCAGCAAGTTCATCTCTAAGTAGAGAGAGTGGTCTCATCTGCCC 60
DB      364 ACACAGTCACTTCCAGCAAGTTCATCTCTAAGTAGAGAGAGTGGTCTCATCTGCCC 305
QY      61 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTCCCATCTCCAGAGTCCATAGCC 120
DB      304 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTCCCATCTCCAGAGTCCATAGCC 245
QY      121 TTGGAGACCTGGAGCCCACTATTTTAAAGCATGCGCGTATGAACCAATTCAGCCCC 180
DB      244 TTGGAGACCTGGAGCCCACTATTTTAAAGCATGCGCGTATGAACCAATTCAGCCCC 185
QY      181 TACTGTCCCGTGTTCGGCATTTGGGACCTTCGTGGCCAAAGCTGGAGGACCTTCGAGGAC 240
```

```
Db      184 TACTGTCCCGTGTCCGATTGGGACCTGTGTCGCAAGCTGAGGAGCCTTCAGAGAC 125
Qy      241 CTGGCGCTGTGTTGGTGTCCCAAGTTGAGGGGACAGGTTCTCTAGAGGGCTCTGGAGAGG 300
Db      124 CTGGCGCTGTGTTGGTGTCCCAAGTTGAGGGGACAGGTTCTCTAGAGGGCTCTGGAGAGG 65
Qy      301 TCCCGGGCCCAACCCAGCGGTGAAAGATATGTGCTATGTGTCAGAGGTGCTCTAGAGCA 360
Db      64  TCCCGGGCCCAACCCAGCGGTGAAAGATATGTGCTATGTGTCAGAGGTGCTCTAGAGCA 5
Qy      361 TCAG 364
Db      4    TCAG 1
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RESULT 7

```
US-09-925-065A-69234
; Sequence 69234, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69234
; LENGTH: 679
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-69234
```

Query Match 31.0%; Score 310; DB 13; Length 679;

Best Local Similarity 100.0%; Pred. No. 3,6e-80; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1  ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCC 60
Db      370 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCC 429
Qy      61  CAAGACCTCTCTGTGCTCCCTAATCTGAACCTTTCCCACTCTCCCAAGTCCCAATGCC 120
Db      430 CAAGACCTCTCTGTGCTCCCTAATCTGAACCTTTCCCACTCTCCCAAGTCCCAATGCC 489
Qy      121 TTGGAGACCTGGGACCCCACTTATTTAAGACCTGCGGCTATGAAACACCAATTAGCCCC 180
Db      490 TTGGAGACCTGGGACCCCACTTATTTAAGACCTGCGGCTATGAAACACCAATTAGCCCC 549
Qy      181 TACTGTCCCGTGTCCGATTGGGACCTGTGTCGCAAGCTGAGGAGCCTTCAGAGAC 240
Db      550 TACTGTCCCGTGTCCGATTGGGACCTGTGTCGCAAGCTGAGGAGCCTTCAGAGAC 609
Qy      241 CTGGCGCTGTGTTGGTGTCCCAAGTTGAGGGGACAGGTTCTCTAGAGGGCTCTGGAGAGG 300
Db      610 CTGGCGCTGTGTTGGTGTCCCAAGTTGAGGGGACAGGTTCTCTAGAGGGCTCTGGAGAGG 669
Qy      301 TCCCGGGGCC 310
Db      670 TCCCGGGGCC 679
```

RESULT 8

```
US-09-925-065A-729252
; Sequence 729252, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 729252
; LENGTH: 616
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-729252
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Query Match 24.8%; Score 248; DB 13; Length 616;

Best Local Similarity 100.0%; Pred. No. 5,1e-62; Mismatches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1  ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCC 60
Db      369 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCC 428
Qy      61  CAAGACCTCTCTGTGCTCCCTAATCTGAACCTTTCCCACTCTCCCAAGTCCCAATGCC 120
Db      429 CAAGACCTCTCTGTGCTCCCTAATCTGAACCTTTCCCACTCTCCCAAGTCCCAATGCC 488
Qy      121 TTGGAGACCTGGGACCCCACTTATTTAAGACCTGCGGCTATGAAACACCAATTAGCCCC 180
Db      489 TTGGAGACCTGGGACCCCACTTATTTAAGACCTGCGGCTATGAAACACCAATTAGCCCC 548
Qy      181 TACTGTCCCGTGTCCGATTGGGACCTGTGTCGCAAGCTGAGGAGCCTTCAGAGAC 240
Db      549 TACTGTCCCGTGTCCGATTGGGACCTGTGTCGCAAGCTGAGGAGCCTTCAGAGAC 608
Qy      241 CTGGCGTT 248
Db      609 CTGGCGTT 616
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RESULT 9

```
US-09-925-065A-83683
; Sequence 83683, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
```

```

? PRIOR APPLICATION NUMBER: 50 /289,846
? PRIOR FILING DATE: 2001-05-09
? NUMBER OF SEQ ID NOS: 957086
? SOFTWARE: FASTSQ For Windows Version 4.0
? SEQ ID NO: 83683
? LENGTH: 593
? TYPE: DNA
? ORGANISM: Homo sapiens
? OS=09-925-065A-83683

```

Query Match	16.1%	Score	161.2	DB	13	Length	593
Best Local Similarity	81.3%	Pred	No. 1.3e-36				
Matches	187	Conservative	0	Mismatches	43	Indels	0
						Gaps	0

QY	772	TTCCCTCTCCCTCCACCTTGTTTTTTTTTTTAAAGACAGAAATCATCTGCAC	831
Db	50	TGCTCTGCTCTTTTTTTTTTTTTTTTTTTTTTTTGGACACAGATTTCCTCTGTGC	109
QY	832	CCAGGCTGAGAGTCAGATGCGCCGACCTCGAGTCACGTAACTCTGCTTCGGTTCAA	891
Db	110	CCAGGCTGGAGTCAGATGCGCACAGTCTCAGGCTCAGTGAACCTTAACTCTGGTTCAA	169
QY	892	CCGATTTCTCTTCCCTCAGCCTCCTGAGTAGCTGGAATTACAGGTGCTCGCACTATCCC	951
Db	170	GCGATTCCTCCGCTCAGCCTCCCGATGAGCTGGGATTCAGGCGGCCGACACACAGCCC	229
QY	952	AGCTAATTTTATTTTGGTAGATGAGATGAGGTTTTCACATGTTGGC	1001
Db	230	GCGTAATTTTGTATTTTTTTTTTAAAGTAAGATGGGATTTACCAATGTTGGC	279

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1 RESULT 10
2 US-10-656-029-83/c
3 ; Sequence 83, Application US/10656029
4 ; Publication No. US20050003367A1
5 ;
6 ; GENERAL INFORMATION:
7 ;
8 ; APPLICANT: VERTEX PHARMACEUTICALS INC.
9 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR RAPID DEVELOPMENT OF
10 ; FILE REFERENCE: VPI/02-143W02
11 ; FILE REFERENCE: VPI/02-143W02
12 ; CURRENT APPLICATION NUMBER: US/10/656,029
13 ; CURRENT FILING DATE: 2003-09-05
14 ; PRIOR APPLICATION NUMBER: 60/408,297
15 ; PRIOR FILING DATE: 2002-09-05
16 ; NUMBER OF SEQ ID NOS: 86
17 ;
18 ; SOFTWARE: PatentIn version 3.2
19 ;
20 ; SEQ ID NO 83
21 ;
22 ; LENGTH: 9131
23 ;
24 ; TYPE: DNA
25 ; ORGANISM: Artificial Sequence
26 ; FEATURE:
27 ;
28 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
29 ; OTHER INFORMATION: PKI-CMV-SD-Vanilloid sequence
30 ; US-10-656-029-83

```

	Query Match	Similarity	Score	DB	Length
Best Local	187	16.1%	161.2	22	9131
Matches	187	Conservative	0	Mismatches	43
				Indels	0
				Gaps	0

Db 5295 GGCTAATTTTGTAATTTTCTAGTAGAGATGGGATTCACCATGTTGGC 5246

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RESULT 11
US-10-656-029-85/c
: Sequence 85, Application US/10656029
: Publication No. US20050003367A1
GENERAL INFORMATION:
APPLICANT: VERTEX PHARMACEUTICALS INC.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR RAPID DEVELOPMENT OF
: TITLE OF INVENTION: SCREENING ASSAYS
FILE REFERENCE: VPI/02-143W02
CURRENT APPLICATION NUMBER: US/10/656,029
CURRENT FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: 60/408,297
PRIOR FILING DATE: 2002-09-05
NUMBER OF SEQ ID NOS: 86
SOFTWARE: PatentIn version 3.2
SEQ ID NO 85
LENGTH: 10557
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: PK1-CMV-SD-Vanilloid-17p sequence
US-10-656-029-85

```

	Query Match	Best Local Match	Similarity	16.1% 18.3%	Score 161.2	DB 22	Length 10557
	Matches	187	Conservative	0	Mismatches	43	Indels 0, Gaps 0
Qy	772	TTCCCTTCCTCCCTCAGCTTGTTGTTTTTTTTTTTAAAGACAGAAATCTATCTGTGCAC	831				
Db	1891	TGCTGCTGCTCTCTTTTTTTTTTTTTTTTTTTTTTTGTAGACAGAGTTTCACTCTGTGTC	1832				
Qy	832	CCAGGCTGGAGTGCAGTGCAGGCCGACCTCGGCTACTGTAACTCTGTTCTCTGGGTTCA	891				
Db	1831	CCAGGCTGGAGTGCAGTGCAGGCCGACCTCTCAGCTCACTGTAACTCTTAACTCTGGATTCA	1772				
Qy	892	CCGATTCCTCCTTCCTCAGCTCCTCGAGTAGCTGGAATTACAGTGTCCGCCACTACTCC	951				
Db	1771	GCAGTTCTCCTGCTCAGCTCCCGAGTAGCTGGGATTAACAGGGCCCGAACACACGCCCC	1712				
Qy	952	AGCTAATTTTATATTTTGGTAGATAGAGATGGGTTTTCACAACTTGGC	1001				
Db	1711	GGCTAATTTTGTATTTTATTTTGTAAAGATGGGATTTCCACCAATGTGGC	1662				

```

RESULT 12
US-09-925-065A-83682
Sequence 83682, Application US/09925065A
Publication No. US2005028172A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.155
CURRENT APPLICATION NUMBER: US/09/925, 065A
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 60/243, 096
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252, 147
PRIOR FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/250, 092
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261, 766
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/289, 946
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 83682
LENGTH: 593

```



```

; LENGTH: 98716
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-17754

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Query Match	15.6%	Score 156;	DB 22;	Length 98716;
Best Local Similarity	82.9%;	Pred. No. 2.1e-34;		
Matches 174;	Conservative 3;	Mismatches 33;	Indels 0;	Gaps 0;

QY	792	TTGTTTCTTTTCTTTTAAACAGAAATCATCTCTGACCCAGCGTGGAGTGCAGTGGC	851
Db	75258	TTTCTTTTGCTTTGTTTTTGAGATGGAGTTTCATTCTGTCAACCCAGCGTGGAGTGCAGTGGC	75317
QY	852	CCGACCTCGGCTCACTGTAACTCTGTGCTCTGGGTTCAACCGATTCTCTTCTCAAGCC	911
Db	75318	ACATCTCACTCACTCACTCAACCTCTGCGCTCCCGGTTCAAGATGATTCTCTTCTCTCAAGCC	75377
QY	912	TCCGTGAATTAAGTGAATTAACAGTGTCTCGGCACATACTCCAGCTAATTTTATATTTGG	971
Db	75378	TCCGTGAATTAAGTGAATTAACAGCGTGCAGACATAACCCGGCTAATTTTAAAAATATTT	75437
QY	972	TAGATAGAGATGGATTTCACATGTTGGC	1001
Db	75438	TTGGTTAGAGATGGGATTTCACCATGTTGGC	75467

Search completed: November 14, 2005, 20:03:41
Job time : 829.146 secs

Job time : 829.146 secs

Tue Nov 15 05:50:01 2005

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 10, 2005, 03:17:03 ; Search time 330.172 Seconds
(without alignments)
9911.659 Million cell updates/sec

Title: US-09-820-095b-3_COPY_1_2000

Perfect score: 2000
1 tccccaagtcacatgggtgcc.....agctgcgctcgcagtcgcca 2000Scoring table:
IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/5A.COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq: *
5: /cgn2_6/ptodata/1/ina/PTCUS.COMB.seq: *
6: /cgn2_6/ptodata/1/ina/backfilest.seq: *Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	159	8.0	394	US-09-191-136-27
2	158.4	7.9	160	US-09-513-999C-22989
3	115.4	5.8	52711	US-09-949-016-12224
4	115.4	5.8	52865	US-09-949-016-15618
5	115.4	5.8	72602	US-09-949-016-14385
6	109.2	5.5	601	US-09-949-016-32130
7	109.2	5.5	601	US-09-949-016-16206
8	109.2	5.5	79350	US-09-949-016-12467
9	109.2	5.5	79351	US-09-949-016-16275
10	103.4	5.2	27630	US-09-949-016-12722
11	103.4	5.1	601	US-09-949-016-32131
12	101	5.1	601	US-09-949-016-162087
13	99.2	5.0	61178	US-09-949-016-17369
14	99	5.0	14241	US-09-949-016-13869
15	98.8	4.9	24070	US-09-949-016-16153
16	98.6	4.9	19145	US-09-949-016-12244
17	98.6	4.9	19146	US-09-949-016-13941
18	98.2	4.9	84870	US-09-949-016-17547
19	98	4.9	601	US-09-949-016-86019
20	97.6	4.9	54382	US-09-949-016-12139
21	97.4	4.9	73295	US-09-949-016-11551
22	97.2	4.9	53442	US-09-949-016-11921
23	97.2	4.9	53453	US-09-949-016-13370
24	97	4.9	84558	US-09-949-016-15752
25	97	4.9	223471	US-09-949-016-12387
26	97	4.9	223471	US-09-949-016-12724
27	97	4.9	223471	US-09-949-016-12725

28	96.8	4.8	422592	US-09-949-016-14182	Sequence 14182, A
29	96.6	4.8	24204	US-09-949-016-16232	Sequence 16232, A
30	96.2	4.8	601	US-09-949-016-38423	Sequence 38423, A
31	96.2	4.8	601	US-09-949-016-176175	Sequence 176175, A
32	96.2	4.8	601	US-09-949-016-176228	Sequence 176228, A
33	96.2	4.8	601	US-09-949-016-176266	Sequence 176266, A
34	96.2	4.8	601	US-09-949-016-176304	Sequence 176304, A
35	96.2	4.8	141560	US-09-949-016-16476	Sequence 16476, A
36	95.6	4.8	55264	US-09-949-016-15014	Sequence 15014, A
37	95.6	4.8	94755	US-09-949-016-11839	Sequence 11839, A
38	95.4	4.8	51049	US-09-949-016-11571	Sequence 11571, A
39	95.4	4.8	133719	US-09-949-016-15092	Sequence 15092, A
40	95.4	4.8	138942	US-09-949-016-13209	Sequence 13209, A
41	95	4.8	601	US-09-949-016-38422	Sequence 38422, A
42	95	4.8	601	US-09-949-016-38424	Sequence 38424, A
43	95	4.8	601	US-09-949-016-79740	Sequence 79740, A
44	95	4.8	601	US-09-949-016-176174	Sequence 176174, A
45	95	4.8	601	US-09-949-016-176176	Sequence 176176, A

ALIGNMENTS

```
RESULT 1
US-09-191-136-27
Sequence 27, Application US/09191136B
Patent No. 6214581
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Lynch, Kevin J. C.
APPLICANT: Burgard, Edward C.
TITLE OF INVENTION: Nucleic Acids Encoding A Functional
TITLE OF INVENTION: Human Purioreceptor P2X3 and P2X6 And Methods Of Production
FILE REFERENCE: 6293 US P1
CURRENT APPLICATION NUMBER: US/09/191,136B
CURRENT FILING DATE: 1998-11-13
EARLIER APPLICATION NUMBER: US 09/008,526
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 09/008,185
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,298
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,669
EARLIER FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 27
LENGTH: 394
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Universal Amplification Sequencing Primer
US-09-191-136-27
Query Match 8.0%; Score 159; DB 3; Length 394;
Best Local Similarity 91.8%; Pred. No. 6.5e-33;
Matches 168; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
QY 1818 GGGCCACCAAGGAAAGTGTGGAGGTGGAGGTGAGGCGAGCTGGATTAGGGGTG 1877
Db 1 GGGCCACCTGCTGACTTACTAGGGGGGGGGGGGGGTGACGGCTGGATTAGGGGTG 60
QY 1878 AGGGCTGGGTGTGGAGCTGATCTGATCTGCTTTAGTGAAGTGTCCCTTTAAAG 1937
Db 61 AGGGCTGGGTGTGGAGCTGATCTGATCTGCTTTAGTGAAGTGTCCCTTTAAAG 120
QY 1938 CAATGGCTGGCTGCTGCTGGGCGCTTGTGCTTGTACGCTGGCGCTGACGCTG 1997
Db 121 CAATGGCTGGCTGCTGCTGGGCGCTTGTGCTTGTGCTTGTACGCTGGCGCTGACGCTG 180
QY 1998 CCA 2000
```


;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 14385
;; LENGTH: 72602
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-14385

Query Match 5.8%; Score 115.4; DB 4; Length 72602;
Best Local Similarity 73.3%; Pred. No. 3,9e-20;
Matches 162; Conservative 0; Mismatches 56; Indels 3; Gaps 1;

QY 239 CAACCTGGCAACATACGAGATATAAATTATTAATTAATGACGATGTGTAGCCCC- 296
DB 35367 CAGCTGCGCAACATGCGCAAGAAAAATTTTATTAATGACGATGTGTAGCATGT 35426
QY 297 -CCGTGCTCTCCGCGCTCAGGAGGCTGAGGAGGCTCCACCAAGTGCAGATTCA 355
DB 35427 ACCGTGAGTCTTACCTGCTTGAAGGCTGAGGAGGAGATCTTGAAGTCAAGAGTTTG 35486
QY 356 AGGATGAGTGAAGTATGATCTCTCCACCTGCACTGAAGCTGAGTGAAGAGCAAGACC 415
DB 35487 AGGCTGAGGAGGATATGATCACCACCACTGCACTCCAGCTGAGTGAAGAGCAAGATCC 35546
QY 416 TGGCTTAATTAATGAATACATAAAGTCTCAGACTAGTGG 456
DB 35547 TTCCTCAAAATATATATAAATAAGGCTGATGAGGTGG 35587

RESULT 6
US-09-949-016-32130/c
; Sequence 32130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTNER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32130
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-32130

Query Match 5.5%; Score 109.2; DB 4; Length 601;
Best Local Similarity 74.2%; Pred. No. 2e-19;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAATATTAATTAATGACGATGTGTAGCCCCCTGTAGTCTCAGAGACTGAGAGGC 322
DB 384 AAAATTTTAAAAATTTAGCCAGCATGTGTGCTACTCTTACCTCCAGTACTCAGAGGC 325
QY 323 TGAAGCAGAGGCTCACCAGAGTGCAGAGTTCAAGATGCAAGTGAAGTATGATCTGCCA 382
DB 324 TGAAGCAGTGAAGTATGATGAGTGAAGAGTTCAAGGCTGAGTGAAGTATGATGTCGA 265

QY 383 CTGCACCTGAAGCTGTGCTGACAGACAAGACCCCTGCTTAATTAATGAATACATAAGT 442
DB 264 CTGCACCTGAAGTGTAGGTGACTAGAGAAAACTTGTCTTTAAAAAAATTAATAA 205
QY 443 CTCACA 448
DB 204 TTAATA 199

RESULT 7
US-09-949-016-162086/c
; Sequence 162086, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTNER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162086
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-162086

Query Match 5.5%; Score 109.2; DB 4; Length 601;
Best Local Similarity 74.2%; Pred. No. 2e-19;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAATATTAATTAATGACGATGTGTAGCCCCCTGTAGTCTCAGAGACTGAGAGGC 322
DB 384 AAAATTTTAAAAATTTAGCCAGCATGTGTGCTACTCTTACCTCCAGTACTCAGAGGC 325
QY 323 TGAAGCAGAGGCTCACCAGAGTGCAGAGTTCAAGATGCAAGTGAAGTATGATCTGCCA 382
DB 324 TGAAGCAGTGAAGTATGATGAGTGAAGAGTTCAAGGCTGAGTGAAGTATGATGTCGA 265
QY 383 CTGCACCTGAAGCTGTGCTGACAGACAAGACCCCTGCTTAATTAATGAATACATAAGT 442
DB 264 CTGCACCTGAAGTGTAGGTGACTAGAGAAAACTTGTCTTTAAAAAAATTAATAA 205
QY 443 CTCACA 448
DB 204 TTAATA 199

RESULT 8
US-09-949-016-12467/c
; Sequence 12467, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTNER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

```
SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12467
; LENGTH: 79350
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(79350)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12467
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Query Match      5.5%; Score 109.2; DB 4; Length 79350;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
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```
QY 263 AAAATTTATTTAATTAGCCAGATGTGTAGCCCTGTAGTCTCAGCAGCTCAGAGGC 322
DB 51310 AAAATTTAAAAAATTAGCCAGCAGCTAGTCCGTACTGTAGTCCAGCTACTCAGAGGC 51251
QY 323 TGAGGAGAGAGGCTCCAGAGTGCAGAGTTCAAGATGAGTACCTATGATCCCTGCCA 382
DB 51250 TGAGGAGAGTATGATCTTGTAGCCAGAGTTCAAGGCTGAGTACCTATGATGTGCCA 51191
QY 383 CTGCACTGAAGCTGGGTGACAGAGCAAGCCCTGGCTTAATTAATGAATACATAAGT 442
DB 51190 CTGCACTCAAGTCTAGTGTGACTGAGAAAAAAGCTTGTCTTAAAAAATAAATTTAAA 51131
QY 443 CTCACA 448
DB 51130 TTTAAA 51125
```

RESULT 9
US-09-949-016-16275/C

```
; Sequence 16275, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16275
; LENGTH: 79351
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(79351)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16275
```

```
Query Match      5.5%; Score 109.2; DB 4; Length 79351;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
```

```
QY 263 AAAATTTATTTAATTAGCCAGATGTGTAGCCCTGTAGTCTCAGCAGCTCAGAGGC 322
DB 51310 AAAATTTAAAAAATTAGCCAGCAGCTAGTCCGTACTGTAGTCCAGCTACTCAGAGGC 51251
QY 323 TGAGGAGAGAGGCTCCAGAGTGCAGAGTTCAAGATGAGTACCTATGATCCCTGCCA 382
DB 51250 TGAGGAGAGTATGATCTTGTAGCCAGAGTTCAAGGCTGAGTACCTATGATGTGCCA 51191
```

```
QY 383 CTGCACTGAAGCTGGGTGACAGAGCAAGCCCTGGCTTAATTAATGAATACATAAGT 442
DB 51190 CTGCACTCAAGTCTAGTGTGACTGAGAAAAAAGCTTGTCTTAAAAAATAAATTTAAA 51131
QY 443 CTCACA 448
DB 51130 TTTAAA 51125
```

RESULT 10
US-09-949-016-12722/C

```
; Sequence 12722, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12722
; LENGTH: 27630
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12722
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Query Match      5.2%; Score 103.4; DB 4; Length 27630;
Best Local Similarity 73.6%; Pred. No. 4.2e-17;
Matches 145; Conservative 0; Mismatches 51; Indels 1; Gaps 1;
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QY 249 AACATGCGAGATTAATAATTTAATTAGCCAGATGTGTAGCCCTGTAGTCTCA 308
DB 9961 ACCATCTTCAAAAACAGCTCTTTTAAATTAAGTCAGGTGTATGCAGCCTGTAGTCTCA 9902
QY 309 GCGACTCAGAGGCTGAGCAGAGAGGCTCAGCAGATGC-AGAGTTCAAGATGCAGTGA 367
DB 9901 GCTACTCAGAGGCTGAGGTGAGAGATGCGTTAAGCCCAAGATTCAAGGCTGCAGTGA 9842
QY 368 GCTATGATCTCTCCACTGACTGMAAGCTGGGTGACAGCAAGACCTGGCTTAAATA 427
DB 9841 GCTATGATCATGCTCCAGCTCCAGCCTGGGTGACAGAAACCCCTGTCAAAATA 9782
QY 428 ATGAATACATAAAGTCT 444
DB 9781 TGAAAAACATAATATTT 9765
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RESULT 11
US-09-949-016-32131/C

```
; Sequence 32131, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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: SOFTWARE: FASTSEQ for Windows Version 4.0
:
: SEQ ID NO 32131
:
: LENGTH: 601
:
: TYPE: DNA
:
: ORGANISM: Human
:
: US-09-949-016-32131

```

```

Query Match      5.1%   Score 101, DB 4, length 601,
Best Local Similarity 77.7%   Pred. No. 3.2e-17;
Matches 122, Conservative 0, Mismatches 35, Indels 0, Gaps 0;

```

Oy 265 AAAAATATATTAATATAGCCAGATGAGTACCCCTGTAGCTCAGGACCTCAGGAGGC 322
 Db 157 AAAATTTTAAAAATTAGCCAGCATGCTGCTACTCTAGTCTCCCACTACTCAGGAGGC 98

OY 323 TGAGCAGGAGGGCTCACCCAGTGCACAGTTCAAGATGCAGTGAGCTATGTACTCGCA 382
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 97 TGAGCAGTAGATCACTTGAGCCAGGAGTCGAAGCTGCAGTGAGCTATGATTGTGCCA 38

```
QY      383 CTGCACCTGAAAGCTGGGTGACAGAGCAAGACCCTTGC   4
        ||||| | | | | | | | | | | | | | | | 
Db       37 CTCACACTCAAGTGCTAGGTGACTGAATAAATCCTTGT   1
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RESULT 12
US-09-949-016-162087/C
; Sequence 162087, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 162087
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-162087

```

	Query Match	5.1%	Score 101	DB 4	Length 601
	Best Local Similarity	77.7%	Pred. No. 3.2e-17		
	Matches 122	Conservative 0	Mismatches 35	Indels 0	Gaps 0
Qy	263	AAAAATTATTAATTAGCCAGATGTGGTAGCCCCCTTAGTCTGACGACTCAGAGGC	322		
Db	157	AAAATTTTAAAAAATTAGCCAGCATGTGTGGCTACTGTAGTCCAGTACTCAGAGGC	98		
Qy	323	TGAGCGCAGAGCCTCACCAGACTGCAGAGTTCAAGATGCAAGTATGATCTTGCCA	382		
Db	97	TGAGGCAATAGGATCACTTGGAGCCAGGAGTTCAAGGCTGCAGATGAGTATGTTGCCA	38		
Qy	383	CTGCACGTAAAGCTGGTGACACGACACAGACCCCTGGC	419		
Db	37	CTGCACCTCAAGCTTAGTGACTGCAAAAAACCTTCTC	1		

RESULT 13
US-09-949-016-17369/c
; Sequence 17369 Application US/09949016
; Patent No 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

```

1  TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
2  /
3  / FILE REFERENCE: CLO01307
4  /
5  / CURRENT APPLICATION NUMBER: US/09/949,016
6  /
7  / CURRENT FILING DATE: 2000-04-14
8  /
9  / PRIOR APPLICATION NUMBER: 60/241,755
10 /
11 / PRIOR FILING DATE: 2000-10-20
12 /
13 / PRIOR APPLICATION NUMBER: 60/237,768
14 /
15 / PRIOR FILING DATE: 2000-10-03
16 /
17 / PRIOR APPLICATION NUMBER: 60/231,498
18 /
19 / PRIOR FILING DATE: 2000-09-08
20 /
21 / NUMBER OF SEQ ID NOS: 207012
22 /
23 / SOFTWARE: FastSeq for Windows Version 4.0
24 /
25 / SEQ ID NO 17369
26 /
27 / LENGTH: 61178
28 /
29 / TYPE: DNA
30 /
31 / ORGANISM: Human
32 /
33 / US-09-949-016-17369

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Query Match	5.0%	Score 99.2	DB 4	Length 61178
Best Local Similarity	78.3%	Pred. No. 8.3e-16		
Matches 144	Conservative 0	Mismatches 38	Indels 2	Gaps 2

Qy 260 AATAAAATTTATTTAAATAGCCAGATGTGTAG - CCCCCTGTAGTCTAGCCACTCAG 318
Db 50827 AATAAAAAATACAAAATTAGCCAGGTGTGTCTGCACCTATAGTCTCAGCTACTCAG 5078

Oy 319 AGCGCTGAGGCACGAGCGCTCACAGACTGCA-GAGTTCGAAGATGCAAGCTATCATCC 377
Db 50767 AGCGTGATGGGAGATCACTTGAGGCCAAGAGTTTGAGCGCTGCAGTAGGCCACAGTTG 50708

Oy 378 TGGCAGTCGACATGAAAGCTGGGTGACAGAGCAAGACCTGGCTCAATATAATGAAATACAT 437
 Db 50707 CACCATCTGCATCTCCAGCTGGGTGACAGAGCAAGACCTGTCTCAATATAATTAAGTAAT 50648

QY	438	AAAG	441
Db	50647	AAAG	50644

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RESULT 14
US-09-949-016-13869/C
; Sequence 13869, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13869
; LENGTH: 14241
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13869

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Query Match	5.0%	Score	99	DB	4	Length	14241
Best Local Similarity	73.9%	Pred. No.	4.8e-16				
Matches	153	Conservative	0	Mismatches	50	Indels	4
				Gaps	2		

QY	249	AACRTAGGAGATATAAAATTTATTTAAATTGCGCAGATGCGTACCC	---	CGGTACTC	305
Db	3121	AAAAAAAAAAAAAAAAAAAAAATTTAGCTGCGCCTGTGTGCCCCGCTGCTTATGTC			306
QY	306	TCAGGACTCAGAGGCGCTGAGGCGCAGGAGGCTACCCAGAGTCA	-GATTTCAAGCATGCG		364

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DB      3061  CCAGCTATGCAGAGGCTGAGGAGGAAACCTTGAGCCAGAAATGAGGCTGCAG 3002
QY      365   TGAGCTATGATCTGCTGCACCTGCACTGAAGCTGGGTGACAGAGCAAGACCCCTGCTAA 424
DB      3001  TGAGCCGTGATCATGCACTGCACCTCCAGCTGGGTGACAGAGCAAGACTTGCCATAA 2942
QY      425   TAAATGATACATTAAGTCTCACAGCT 451
DB      2941  TAAATTAATAATAATTAATGCTGCAGCT 2915
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RESULT 15

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US-09-949-016-16153
; Sequence 16153, Application US//09949016
; Patent No. 6812319
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16153
; LENGTH: 24070
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16153
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Query Match 4.9%; Score 98.8; DB 4; Length 24070;

Best Local Similarity 77.0%; Pred. No. 6.9e-16;

Matches 134; Conservative 0; Mismatches 37; Indels 3; Gaps 1;

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DB      6435  AATATATAAAATTAATTAGTGTGTGTGGCCATGCGAGTGTCCAGCTACAGG 6494
QY      319  AGGCTAGGAGAGGAGCTACAGAGTGCAGAGTTCAAGGATGAGGAGCTATGATCCT 378
DB      6495  AGGCTAGGAGAGGAGTCTGGAACCAAGAGTTGAAGGCTGAGGAGCCATGATCGT 6554
QY      379  GCCACTGCACTGAAGCTGGGTGACAGAGCAAGACCTGGCTCTAATAATATGAA 432
DB      6555  GCTACTGCACCTCCAGCTGGGTGACAGAGCAAGACTGTCTCAAAAAAAGAA 6608
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Search completed: November 10, 2005, 05:30:42

Job time : 334.172 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 14, 2005, 09:54:02 ; Search time 1646.65 Seconds
(without alignments)
1004.443 Million cell updates/sec

Title: US-09-820-095B-3_COPY_1_2000

Sequence: 1 tctccaagtcctatgggtgcc.....agctgcgctgcagctgcc 2000

Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 4134909567 residues

Total number of hits satisfying chosen parameters: 19589580

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published_Applications_NA:*

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23: cgn2_6/p.todaca/2/pubnpu/US10K_NEW_PUB.seq.*
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27: cgn2_6/p.todaca/2/pubnpu/US10_NEW_PUB.seq.*
28: cgn2_6/p.todaca/2/pubnpu/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

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1	2000	100.0	16449	10	US-09-820-095-3 Sequence 3, Appl.1
2	1907.2	95.1	1938	14	US-10-027-633-98169 Sequence 98169, A
3	1907.2	95.1	1938	14	US-10-027-633-98170 Sequence 98170, A
4	1907.2	95.1	1938	18	US-10-027-633-98169 Sequence 98169, A
5	1907.2	95.1	1938	18	US-10-027-633-98170 Sequence 98170, A

C	6	663.6	33.2	686	13	US-09-925-065A-4413	Sequence 4411, Ap
C	7	663.6	33.2	686	13	US-09-925-065A-4414	Sequence 4411, Ap
C	8	597.6	29.9	598	14	US-10-027-632-41182	Sequence 41182, A
C	9	597.6	29.9	598	18	US-10-027-632-41182	Sequence 41182, A
C	10	563	28.1	563	9	US-09-864-761-9542	Sequence 9542, Ap
C	11	554	27.7	554	9	US-09-864-761-9446	Sequence 9446, Ap
C	12	458.4	22.9	1904	18	US-10-094-749-1376	Sequence 1376, Ap
C	13	383.2	19.2	508	17	US-10-029-386-6681	Sequence 6681, Ap
C	14	139	7.0	139	9	US-09-864-761-55935	Sequence 25935, A
C	15	138.4	6.9	556	17	US-10-029-386-20399	Sequence 20399, A
C	16	109.6	5.5	1356	24	US-10-450-761-14208	Sequence 14208, A
C	17	108.2	5.4	51289	20	US-10-322-281-6148	Sequence 648, App
C	18	106.2	5.3	479	13	US-09-925-065A-890988	Sequence 890988, A
C	19	106.4	5.3	479	13	US-09-925-065A-890989	Sequence 890989, A
C	20	103.4	5.2	639	13	US-09-925-065A-927406	Sequence 927406, A
C	21	103.4	5.2	640	13	US-09-925-065A-918257	Sequence 918257, A
C	22	103.2	5.2	88191	9	US-09-799-799-3	Sequence 3, Appli
C	23	102.2	5.1	1906	14	US-10-027-632-97426	Sequence 97426, A
C	24	102.2	5.1	1906	18	US-10-027-632-97426	Sequence 97426, A
C	25	102	5.1	304905	19	US-10-271-416-1	Sequence 1, Appl1
C	26	101.8	5.1	75007	22	US-10-741-600-15756	Sequence 17556, A
C	27	101.4	5.1	75007	20	US-10-741-601-5612	Sequence 5612, App
C	28	101	5.1	18476	24	US-10-737-082-109	Sequence 109, App
C	29	101	5.1	18476	24	US-10-765-790-101	Sequence 109, App
C	30	100.8	5.0	665	13	US-09-925-065A-554675	Sequence 554675, A
C	31	100.6	5.0	558	13	US-09-925-065A-17453	Sequence 17453, A
C	32	100.6	5.0	619	13	US-09-925-065A-876673	Sequence 876673, A
C	33	99.8	5.0	474	14	US-10-027-632-56725	Sequence 56725, A
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C	35	99.8	5.0	474	18	US-10-027-632-56725	Sequence 56725, A
C	36	99.8	5.0	474	18	US-10-027-632-312323	Sequence 312323, A
C	37	99.8	5.0	867	14	US-10-027-632-3763	Sequence 3763, App
C	38	99.8	5.0	867	18	US-10-027-632-3763	Sequence 3763, App
C	39	99.6	5.0	665	13	US-09-925-065A-554674	Sequence 554674, A
C	40	99	5.0	125534	14	US-10-087-192-1678	Sequence 1678, App
C	41	98.2	4.9	333811	22	US-10-741-600-17681	Sequence 17681, A
C	42	97.8	4.9	148935	22	US-10-741-600-17708	Sequence 17708, A
C	43	97.4	4.9	602	10	US-09-764-991-9553	Sequence 9533, App
C	44	97.4	4.9	53000	10	US-09-953-611-110	Sequence 10, Appl
C	45	97.4	4.9	95960	14	US-10-087-192-1384	Sequence 1384, App

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RESULT 1
US-09-820-095-3
: Sequence 3, Application US/09820095
: Publication No. US20030233668A1
: GENERAL INFORMATION:
: APPLICANT: WEI, Mang-Hui et al
: TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
: TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
: TITLE OF INVENTION: PROTEINS, AND USES THEREOF
: FILE REFERENCE: C0001202
: CURRENT APPLICATION NUMBER: US/09/820,095
: CURRENT FILING DATE: 2001-03-29
: NUMBER OF SEQ ID NOS: 4
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 16449
: TYPE: DNA
: ORGANISM: Human
US-09-820-095-3

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Best Local Similarity	100.0%	Pred. No. 0;		
Matches 2000; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

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Db 1 TCTCCAAGTCCATGGGTGCTTGGTAGAGACAGGGGGATGAAATGTGAACCCCTGCATGGC 60

QY	61	TATAGCCACCTGCCTCTCCCTCCCTGCCTGCATCACTACCTGCCTAATTTTTGGCTCTAG	120
Dp	61	TATAGCCACCTGCCTCTCCCTCCCTGCCTGCATCACTACCTGCCTAATTTTTGGCTCTAG	120
QY	121	AAGCAGCTCTTCTATGCTCTCTTAGAGCACTGCCGCAATATAGACATAGCAATGCA	180
Dp	121	AAGCAGCTCTTCTATGCTCTCTTAGAGCACTGCCGCAATATAGACATAGCAATGCA	180
QY	241	ACCTGGGCAACATAGCAGATATAAAATTAATTAATTAAGCAGATGAGTGGACCCCTG	300
Dp	241	ACCTGGGCAACATAGCAGATATAAAATTAATTAATTAAGCAGATGAGTGGACCCCTG	300
QY	301	TAGTCTCAGCGACTCAGGAGGCTGAGGAGAGAGGCTCAACAGTGCAGAGTTCAAGAT	360
Dp	301	TAGTCTCAGCGACTCAGGAGGCTGAGGAGAGAGGCTCAACAGTGCAGAGTTCAAGAT	360
QY	361	GCAGTGAAGCTATGATCTCTGCCACTGCATCTGAAGAAGTGGGTGACAGAGCAAGACCTGGCT	420
Dp	361	GCAGTGAAGCTATGATCTCTGCCACTGCATCTGAAGAAGTGGGTGACAGAGCAAGACCTGGCT	420
QY	421	CTAATTAATGAATACATAAAGTCTCAGACAGCTAGTGTAGCTTAATCTGCGACAGTCAAGC	480
Dp	421	CTAATTAATGAATACATAAAGTCTCAGACAGCTAGTGTAGCTTAATCTGCGACAGTCAAGC	480
QY	481	CTTACCTGTCTGATGACAAATGGCACACTATGCTTTTAACTCTGATTTGCAGACCAAA	540
Dp	481	CTTACCTGTCTGATGACAAATGGCACACTATGCTTTTAACTCTGATTTGCAGACCAAA	540
QY	541	TGTTTTGGAAATTTTTTCCCAAGGAAAAAACCGGAAGTAGTTCTAAATTTCTATCATCC	600
Dp	541	TGTTTTGGAAATTTTTTCCCAAGGAAAAAACCGGAAGTAGTTCTAAATTTCTATCATCC	600
QY	601	ATTATATATAGTTTTCCTGTGGATTGGGAAAAACCGAGCTGATTTGCAATTTTCAGGCGGG	660
Dp	601	ATTATATATAGTTTTCCTGTGGATTGGGAAAAACCGAGCTGATTTGCAATTTTCAGGCGGG	660
QY	661	ACAGCCTTTGGTGCAGCTGTCTGGCGGATTTTCCATTTTAACTTCCTCTAGAACCGCCT	720
Dp	661	ACAGCCTTTGGTGCAGCTGTCTGGCGGATTTTCCATTTTAACTTCCTCTAGAACCGCCT	720
QY	721	TCTCATGTAAAGTTCTGTATGCGCGCCAGAGAGCGCGAGAGAGGAGGCGGCTTGAGA	780
Dp	721	TCTCATGTAAAGTTCTGTATGCGCGCGCCAGAGAGCGCGAGAGAGGAGGCGGCTTGAGA	780
QY	781	CGCCCCGAGAGGGGTAGTGCCCTCGCTGCAGACAGAGTCTCTGCTCTCTGGCGGCGCC	840
Dp	781	CGCCCCGAGAGGGGTAGTGCCCTCGCTGCAGACAGAGTCTCTGCTCTCTGGCGGCGCC	840
QY	841	AGCCCACTCCACAAACCCCTGCGGGAAGAACCCCAAGGGAGAGAGACGGGCTTGCGCC	900
Dp	841	AGCCCACTCCACAAACCCCTGCGGGAAGAACCCCAAGGGAGAGAGACGGGCTTGCGCC	900
QY	901	CTGCCCGAGACCTTCCGCTCTTAGTGCAGAGTCTGAATCGGCTTGGAGACCTTGCTTG	960
Dp	901	CTGCCCGAGACCTTCCGCTCTTAGTGCAGAGTCTGAATCGGCTTGGAGACCTTGCTTG	960
QY	961	GCTTTCGGGGAGCCCTGCAGAGACGTCCAAAGAGCCGCGCTGCTCTCTCTGCTTTTAA	1020
Dp	961	GCTTTCGGGGAGCCCTGCAGAGACGTCCAAAGAGCCGCGCTGCTCTCTCTGCTTTTAA	1020
QY	1021	TCTCTCCCAAGACTCTGTGCAGAGAACCGCTCACTATGTTAAGCCCTTTTCAGAGCTCAGAC	1080
Dp	1021	TCTCTCCCAAGACTCTGTGCAGAGAACCGCTCACTATGTTAAGCCCTTTTCAGAGCTCAGAC	1080
QY	1081	CTGAGAGCGAGACCGCTTGGCGCTCACTTAAGAGCGACCCCGGGAGTGTGGCGGAGTCT	1140
Dp	1081	CTGAGAGCGAGACCGCTTGGCGCTCACTTAAGAGCGACCCCGGGAGTGTGGCGGAGTCT	1140
QY	1141	TGCGGCTGCCTGACCAATTCAGATGTGGCGTTCATGCACTGGCGCTTCCACAGGCAATTA	1200

Dp	1141	TGCGGCTGCGCTGACCAATGAGTGTGGCGCTTCACACTGGCGCTCTGGCCAGGGCAATTAA	1200
Qy	1201	GGGACGGCGCTCCCGCGGGCGGATGCGCCCGGCAACCCAGTGTGTAGTGTGGCTAGAA	1260
Dp	1201	GGGACGGCGCTCCCGCGGGCGGATGCGCCCGGCAACCCAGTGTGTAGTGTGGCTAGAA	1260
Qy	1261	CCGTGGCTCTTCCTGGCTGAGGCTCTCGCTGTAGAGAGATTAACCTGACAGCGCCACGGGC	1320
Dp	1261	CCGTGGCTCTTCCTGGCTGAGGCTCTCGCTGTAGAGAGATTAACCTGACAGCGCCACGGGC	1320
Qy	1321	TATGCACTGGGCTGGGGCGCTTGTGGGCACTCTCCCGCTTCCCTAGAGGGATTCCAGCAT	1380
Dp	1321	TATGCACTGGGCTGGGGCGCTTGTGGGCACTCTCCCGCTTCCCTAGAGGGATTCCAGCAT	1380
Qy	1381	CGCCCCCTTTTGGTGAAGTGGGAAACAGCGCTGACTTCAGAGACTTGTGTTCCTCACTG	1440
Dp	1381	CGCCCCCTTTTGGTGAAGTGGGAAACAGCGCTGACTTCAGAGACTTGTGTTCCTCACTG	1440
Qy	1441	CACGTGGGGAAGTGGCGGGGCGAGCTTTTCAAGAGGGGCTTGGGGAACCTTGGCAGAGCCAG	1500
Dp	1441	CACGTGGGGAAGTGGCGGGGCGAGCTTTTCAAGAGGGGCTTGGGGAACCTTGGCAGAGCCAG	1500
Qy	1501	GTCACCGCTCTCACTGTGCTCTTATGTATCTGTGACCTGCTGTGTTCATACGCTG	1560
Dp	1501	GTCACCGCTCTCACTGTGCTCTTATGTATCTGTGACCTGCTGTGTTCATACGCTG	1560
Qy	1561	CTCCCTGCACGAGAACCTTCCATCCCATCTTTTGTCTGTGTTCGAACTTCAGAAATCTG	1620
Dp	1561	CTCCCTGCACGAGAACCTTCCATCCCATCTTTTGTCTGTGTTCGAACTTCAGAAATCTG	1620
Qy	1621	CAGGGGTCACGTTAAGAGGTCACTTCTTCGGGAAGCTTCTTCVMAACCCCTCCCGGCTG	1680
Dp	1621	CAGGGGTCACGTTAAGAGGTCACTTCTTCGGGAAGCTTCTTCVMAACCCCTCCCGGCTG	1680
Qy	1681	CTGTGTGCTGCCTTCAGGCGCCCTCTCTCACAGCACTGATTAACAGCTGTCCGCTTCAACCT	1740
Dp	1681	CTGTGTGCTGCCTTCAGGCGCCCTCTCTCACAGCACTGATTAACAGCTGTCCGCTTCAACCT	1740
Qy	1741	CCCAACCACTTCACTCCCACTCCCAAGGAAGTAGAGGCCAGAGGGCAAGAGCTGTGC	1800
Dp	1741	CCCAACCACTTCACTCCCACTCCCAAGGAAGTAGAGGCCAGAGGGCAAGAGCTGTGC	1800
Qy	1801	TGTTCTCTGTGTGTCAGAGGGGCCAAGAAAGGAATGTATGGGAGGCTGGGAGCTCAGGGCA	1860
Dp	1801	TGTTCTCTGTGTGTCAGAGGGGCCAAGAAAGGAATGTATGGGAGGCTGGGAGCTCAGGGCA	1860
Qy	1861	GCTGGGATTTAAGGGGTTTAAAGGCTGTGGGATCTGGAGAGCTGATCTTGATCTCTGTTAAGTG	1920
Dp	1861	GCTGGGATTTAAGGGGTTTAAAGGCTGTGGGATCTGGAGAGCTGATCTTGATCTCTGTTAAGTG	1920
Qy	1921	AAGTGTCCCTTTTAAACAGCAACTGGCGGTGCGCTGGGCGCTGTCTTGTCTCTCTGTTC	1980
Dp	1921	AAGTGTCCCTTTTAAACAGCAACTGGCGGTGCGCTGGGCGCTGTCTTGTCTCTCTGTTC	1980
Qy	1981	AGCTGGGGCTGCAGCTGGCCA 2000	
Dp	1981	AGCTGGGGCTGCAGCTGGCCA 2000	

RESULT 2
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 Sequence 98169, Application US/10027632
 Publication No. US2002019837A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotides
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827.129
 CURRENT APPLICATION NUMBER: US/10/027, 632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218, 006
 PRIOR FILING DATE: 2000-07-12


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? PRIOR APPLICATION NUMBER: US 60/198,676
? PRIOR FILING DATE: 2000-04-20
? PRIOR APPLICATION NUMBER: US 60/193,483
? PRIOR FILING DATE: 2000-03-28
? PRIOR APPLICATION NUMBER: US 60/185,218
? PRIOR FILING DATE: 2000-02-24
? PRIOR APPLICATION NUMBER: US 60/167,363
? PRIOR FILING DATE: 1999-11-23
? PRIOR APPLICATION NUMBER: US 60/156,358
? PRIOR FILING DATE: 1999-09-28
? PRIOR APPLICATION NUMBER: US 60/146,002
? PRIOR FILING DATE: 1999-08-09
? NUMBER OF SEQ ID NOS: 325720
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 98169
? LENGTH: 1938
? TYPE: DNA
? ORGANISM: Human
? US-10-027-632-98169

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Query Match	95.1%;	Score 1902.2;	DB 14;	Length 1938;
Best Local Similarity	99.9%;	Pred. No. 0;		
Matches 1901; Conservative	2;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	TCCTCAAGTCCATGGATGACCCTGGATAGAGACAGGGGGATGATGTAAGCAACCCCTGATAGC	60
Db	36	TCCTCAAGTCCATGGATGACCCTGGATAGAGACAGGGGGATGATGTAAGCAACCCCTGATAGC	95
QY	61	TATAGCCACCTGCCTCCTCCCTGCGCTGATCACTACCTGGCTATTTTGTGCTCTAG	120
Db	96	TATAGCCACCTGCCTCCTCCCTGCGCTGATCACTACCTGGCTATTTTGTGCTCTAG	155
QY	121	AAGACTGCTTCTTATGCTCCTTAGAGACCACTGCCGATATGACAGATTAAGACATGGA	180
Db	156	AAGACTGCTTCTTATGCTCCTTAGAGACCACTGCCGATATGACAGATTAAGACATGGA	215
QY	181	GGCTAAGGCACGCGAAATCTTTTCTTAAAGCATACAGCTGCATAAAGAAAGCTGGACA	240
Db	216	GGCTAAGGCACGCGAAATCTTTTCTTAAAGCATACAGCTGCATAAAGAAAGCTGGACA	275
QY	241	ACCTGGGCAACATAGCAGATTAATAAATTTATTAATAGCAGATGTGTAGGCCCTGTG	300
Db	276	ACCTGGGCAACATAGCAGATTAATAAATTTATTAATAGCAGATGTGTAGGCCCTGTG	335
QY	301	TAGTCTCAGCAGCTCAGGAGGCTGAGGACGAGAGGCTCCAGAGTGCAGAGTTCAGAGAT	360
Db	336	TAGTCTCAGCAGCTCAGGAGGCTGAGGAGGCTCCAGAGTGCAGAGTTCAGAGAT	395
QY	361	GCACTGAGCTATGATCCTGCGCACCTGCACTGAAAGTGGGTGACAGAGCAACCTGGCT	420
Db	396	GCACTGAGCTATGATCCTGCGCACCTGCACTGAAAGTGGGTGACAGAGCAACCTGGCT	455
QY	421	CTAATTAATGATATCATTAAGTCTCACAGCTAGTGGTGAATCTGCGCAGAGTCAGAGC	480
Db	456	CTAATTAATGATATCATTAAGTCTCACAGCTAGTGGTGAATCTGCGCAGAGTCAGAGC	515
QY	481	CTTACCTGCTGATGACAAATGCGACACTATGCTTTTAACTGATTTGCAGACCAACAA	540
Db	516	CTTACCTGCTGATGACAAATGCGACACTATGCTTTTAACTGATTTGCAGACCAACAA	575
QY	541	TGTTTTGTGAATATTTTCCCGAGGAAAAACCGAAGTAGTCTTAAATTCATATCATCC	600
Db	576	TGTTTTGTGAATATTTTCCCGAGGAAAAACCGAAGTAGTCTTAAATTCATATCATCC	635
QY	601	ATTATATTAGTTTACCTGATGGAATTGGGAAAAACCGAGTCTGATTTGCATTTCAAGGCGGG	660
Db	636	ATTATATTAGTTTACCTGATGGAATTGGGAAAAACCGAGTCTGATTTGCATTTCAAGGCGGG	695
QY	661	ACAGCCTTGTGTCAGCTGTCTGGCGGGATTTTTCATTTTAACTCTCTCTAGAAAGCGCT	720
Db	696	ACAGCCTTGTGTCAGCTGTCTGGCGGGATTTTTCATTTTAACTCTCTCTAGAAAGCGCT	755
QY	721	TCTCATGTGTAAGTTCTCTGATGCCGCCAGAGACGCCAGAGAGAGGCGACGGGGCTGAGGA	780

[illegible]

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Db      1836 TGTCTCTGTGTGCGAGGGCCGACAAAGGAATGTAGGAGGGTGGAGCTGACAGGCA 1895
QY      1861 GGTGGATTAGGGGTTGAGGGCTGGGTGTGTGAGGCTGATCT 1903
Db      1896 GCTGGATTAGGGGTTGAGGGCTGGGTGTGTGAGGCTGATCT 1938

RESULT 3
US-10-027-632-98170
; Sequence 98170, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027, 632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98170
; LENGTH: 1938
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-98170

Query Match      95.1%; Score 1902.2; DB 14; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 TCTCCAGTTCATGAGTGGCTGCTGTAGAGAGACAGGGGGATGATGTGAACCCCTGCATGGC 60
Db      36 TCTCCAGTTCATGAGTGGCTGCTGTAGAGAGACAGGGGGATGATGTGAACCCCTGCATGGC 95
QY      61 TATAGCCACTGCTGCTCCCTCCCTGCTGCATCACTACCTGGCTATTTTTCCTCTAG 120
Db      96 TATAGCCACTGCTGCTCCCTCCCTGCTGCATCACTACCTGGCTATTTTTCCTCTAG 155
QY      121 AAGCACTGCTTCTTATGCTTCCTTAAAGACCACTGCCGATATGACGATTAAGAACTCGA 180
Db      156 AAGCACTGCTTCTTATGCTTCCTTAAAGACCACTGCCGATATGACGATTAAGAACTCGA 215
QY      181 GGCTAAGGCAAGCAAAATCTTTTCTTAAAGTATCAGCTGTCAAAGAAAGCTGGACA 240
Db      216 GGCTAAGGCAAGCAAAATCTTTTCTTAAAGTATCAGCTGTCAAAGAAAGCTGGACA 275
QY      241 ACCTGGGCAACATAGCGAGATTAATAATTATTAATTAAGCAGATGTGTAGCCCTTG 300
Db      276 ACCTGGGCAACATAGCGAGATTAATAATTATTAATTAAGCAGATGTGTAGCCCTTG 335
QY      301 TAGTCTCAGGCACTCAGAGGCTGAGGCGAGAGGCTCACCAAGATGCAAGTTCAAGAT 360
Db      336 TAGTCTCAGGCACTCAGAGGCTGAGGCGAGAGGCTCACCAAGATGCAAGTTCAAGAT 395
QY      361 GCAGTGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db      396 GCAGTGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 455
QY      421 CTAATTAATGAATACATAAAGTCTCACAGCTAGTGTAGCTAATCTCTGCAGAGTCAAGC 480
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Db      456 CTAATTAATGAATACATAAAGTCTCACAGCTAGTGTAGCTAATCTCTGCAGAGTCAAGC 515
QY      481 CTTTACCTGTCGTAGTACAAATGGCACTATGCTTTTAACTGATTTTCAGACCAACAA 540
Db      516 CTTTACCTGTCGTAGTACAAATGGCACTATGCTTTTAACTGATTTTCAGACCAACAA 575
QY      541 TGTTTTGTAAATATTTTCCCGAGGAAACCGAAGATGTTCTTAATTCTATACATCC 600
Db      576 TGTTTTGTAAATATTTTCCCGAGGAAACCGAAGATGTTCTTAATTCTATACATCC 635
QY      601 ATTATATTTAGTTTACCTGTGATTTGGAAAACCAAGCTCTGATTGCAATTTCAGGCGGG 660
Db      636 ATTATATTTAGTTTACCTGTGATTTGGAAAACCAAGCTCTGATTGCAATTTCAGGCGGG 695
QY      661 ACAGCCTTTGGTGAATGTCGTGCGGGGATTTTCATTTAACTCTCTTACAGAGGCGCT 720
Db      696 ACAGCCTTTGGTGAATGTCGTGCGGGGATTTTCATTTAACTCTCTTACAGAGGCGCT 755
QY      721 TCTCATGTAAAGTTCCTGATCCGCGCAGAGCGCGCAGAGAGGCGAGGCGCTGGAGA 780
Db      756 TCTCATGTAAAGTTCCTGATCCGCGCAGAGCGCGCAGAGAGGCGAGGCGCTGGAGA 815
QY      781 CGCCCGCAGAGGCTACGTGCTCTGTGGAAGAGTCTCTGCTCTCTGCGGCGGC 840
Db      816 CGCCCGCAGAGGCTACGTGCTCTGTGGAAGAGTCTCTGCTCTCTGCGGCGGC 875
QY      841 AGCCCACTCCCAACAAACCCCTGCGGGAAGAGCCCAAGAGGAGAGAGGCGCTGGGCC 900
Db      876 AGCCCACTCCCAACAAACCCCTGCGGGAAGAGCCCAAGAGGAGAGAGGCGCTGGGCC 935
QY      901 CTGCCCCGAGCACTTCCCTCTAGTGTGAGATCGAATCGGCTTGGGACCTGCTTG 960
Db      936 CTGCCCCGAGCACTTCCCTCTAGTGTGAGATCGAATCGGCTTGGGACCTGCTTG 995
QY      961 GCTTGGGGAGCCCTGCAAGAGCTCCACAGGCGCGCTGCTCTTCTGCTGCTTTTA 1020
Db      996 GCTTGGGGAGCCCTGCAAGAGCTCCACAGGCGCGCTGCTCTTCTGCTGCTTTTA 1055
QY      1021 TCTTCCCGACACTCTGCGAGGAACCGCTATGTTAAGGCCCTTTCGAGCTCAGAC 1080
Db      1056 TCTTCCCGACACTCTGCGAGGAACCGCTATGTTAAGGCCCTTTCGAGCTCAGAC 1115
QY      1081 CTGAGCGGAGACCGCTTGGCCCTCACTTAAGCGCAGCCCGGGATGTGGCGGAGTC 1140
Db      1116 CTGAGCGGAGACCGCTTGGCCCTCACTTAAGCGCAGCCCGGGATGTGGCGGAGTC 1175
QY      1141 TGGGCTGCGCTGACCAATGAGTGTGGCTCATGACTGAGCTGACGCAAGATTA 1200
Db      1176 TGGGCTGCGCTGACCAATGAGTGTGGCTCATGACTGAGCTGACGCAAGATTA 1235
QY      1201 GCGAGCGGCTCCCCCGCGGCGGTGCGCCCGCGCAACCAAGTGTGATGTTGCCGTAGAA 1260
Db      1236 GCGAGCGGCTCCCCCGCGGCGGTGCGCCCGCGCAACCAAGTGTGATGTTGCCGTAGAA 1295
QY      1261 CCGTGGCTCTCTGCGCTGAGGCTCCTGCTGAGAGATTAATGTCACGCGCAAGGCG 1320
Db      1296 CCGTGGCTCTCTGCGCTGAGGCTCCTGCTGAGAGATTAATGTCACGCGCAAGGCG 1355
QY      1321 TATGCACTGGGCTGGGCGCTTGTGGGCACTCTCTGCTGCTTAAGGGGTTTCAAGCAT 1380
Db      1356 TATGCACTGGGCTGGGCGCTTGTGGGCACTCTCTGCTGCTTAAGGGGTTTCAAGCAT 1415
QY      1381 CGCCCCCTTTTGTGTGACTGTGGAACACGCGCTGATCCAGAGACTGTGTGTCTCACATG 1440
Db      1416 CGCCCCCTTTTGTGTGACTGTGGAACACGCGCTGATCCAGAGACTGTGTGTCTCACATG 1475
QY      1441 CACTGGGAAAGGTGGGCGGGGAGACTTTTCAAGAGAGGCTGGGGAATCTCGAGAGCCAG 1500
Db      1476 CACTGGGAAAGGTGGGCGGGGAGACTTTTCAAGAGAGGCTGGGGAATCTCGAGAGCCAG 1535
QY      1501 GTTACCCTCTCACTGTGCTCTTAATTATCTTGATCTGTGCTTTTGTGATACGCTG 1560
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Db	1536	GTCAACCCCTCTCACTCTGTGCTCTTAGTATCTTGACAGCTCTGTGCTTTTGACATACGCTG	1555
OY	1561	CTCCCTGCACAGGAACCTCCATCCATCCCATCTTTGTCTGTCTGTGAACTTGAGAAATCTG	1620
Db	1596	CTCCCTGCACAGGAACCTCCATCCCATCTTTGTCTGTGCTGTGGAATCTGAGAAATCTG	1655
OY	1621	CAAGGTCAGCTTAGAGTCACTTCTTCCGGAAGTTTCTCCACACACCTTCCCCGCCCTG	1680
Db	1656	CAAGGTCAGCTTAGAGTCACTTCTTCCGGAAGTTTCTCCACACACCTTCCCCGCCCTG	1715
OY	1681	CTGCTGCTGACCTTCAGGCCCTCTCTCTCAACAGCATGATTAACAGCTGTCGCTCCACCTT	1740
Db	1716	CTGCTGCTGACCTTCAGGCCCTCTCTCTCAACAGCATGATTAACAGCTGTCGCTCCACCTT	1775
OY	1741	CCCAACACCTTCACCTCCACCACCCACAGGAAGTAGGCGACAGAGGCGACAGAGCTGTGTC	1800
Db	1776	CCCAACACCTTCACCTCCACCACCCACAGGAAGTAGGCGACAGAGGCGACAGAGCTGTGTC	1835
OY	1801	TGTTTCTCTGTGTGCCAGGCGCCACAGCAAAAGGAATGTAGGAGGGGTGGAGGTGCAGGGCA	1860
Db	1836	TGTTTCTCTGTGTGCCAGGCGCCACAGCAAAAGGAATGTAGGAGGGGTGGAGGTGCAGGGCA	1895
OY	1861	GCTGGGATTAGGGGTTGAGGGCTGGGCTGTGAGAGCTGGAGTCT	1903
Db	1896	GCTGGGATTAGGGGTTGAGGGCTGGGCTGTGAGAGCTGGAGTCT	1938

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RESULT 4
US-10-027-632-98169
; Sequence 98169, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq For Windows Version 4.0
; SEQ ID NO 98169
; LENGTH: 1938
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-98169

Query Match          95.1%; Score 1902.2; DB 18; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy      1  TCTCCAAATCCATGGGTGCTCCCTGTGATGAGACAGAGGGGATGAATGTGAACCCCTGCAATGCC 60
      |||
Db      36  TCTCCAAATCCATGGGTGCTGATGAGAGAGAGGGGATGAATGTGAACCCCTGCAATGCC 95

Oy      61  TATAGCCACTGCGCTCTCCCTGCGCCGTGCATCACTACTAGGACCTATTTTGTGCTCTAG 120
      |||
Db      96  TATAGCCACTGCGCTCTCCCTGCGCCGTGCATCACTACTAGGACCTATTTTGTGCTCTAG 155

Oy      121 AAGCACTGCTTCTATAGCTCTCTTAGAGACCACTGCCCGCATATGACAGATTAAGAACTGCA 180

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[illegible]

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Db 1236 GCGACGCGCTCCCCCGGCGGTGCGCCCGGCAACCAAGTGTAGTGGTCCGTAGAAA 1295
Qy 1261 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGATAAATGACGCGCCACGAGG 1320
Db 1296 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGATAAATGACGCGCCACGAGG 1355
Qy 1321 TATGCACTGAGGCTGGGCGCTTGTGGGCATCTCCCTGCTTCTAAGGGGTTTCAAGCAT 1380
Db 1356 TATGCACTGAGGCTGGGCGCTTGTGGGCATCTCCCTGCTTCTAAGGGGTTTCAAGCAT 1415
Qy 1381 CGCCCCCTTGTGGTACTGGGAAACACGCGCTGACTCCAGGAACTTGTGTCTCTACATG 1440
Db 1416 CGCCCCCTTGTGGTACTGGGAAACACGCGCTGACTCCAGGAACTTGTGTCTCTACATG 1475
Qy 1441 CACTGGGGAAGTGGGCGGAGAGCTTTTTCAGAGGGGCTGGGAACTTTCAGAGAGCCAG 1500
Db 1476 CACTGGGGAAGTGGGCGGAGAGCTTTTTCAGAGGGGCTGGGAACTTTCAGAGAGCCAG 1535
Qy 1501 GTACACCTCTCACTGTGTGCTCTTATGTTATCTTGCAATGCTGTGTCTTGTGATACGCTG 1560
Db 1536 GTACACCTCTCACTGTGTGCTCTTATGTTATCTTGCAATGCTGTGTCTTGTGATACGCTG 1595
Qy 1561 CTCCCTGCAACAGGAACCTCCATCCCATCTTGTCTGTGTGCAACTTCAAAATCTG 1620
Db 1596 CTCCCTGCAACAGGAACCTCCATCCCATCTTGTCTGTGTGCAACTTCAAAATCTG 1655
Qy 1621 CAAGGCTCAGCTTAGAGGTCACTTCTTCCGGAAGCTTCTCAACACCCCTCCCGGCTG 1680
Db 1656 CAAGGCTCAGCTTAGAGGTCACTTCTTCCGGAAGCTTCTCAACACCCCTCCCGGCTG 1715
Qy 1681 CTGCTGCTGCTCCTCAGGCTCTCTCTCAAGCACTGATTAACAGCTGTCCGTCTCAACCT 1740
Db 1716 CTGCTGCTGCTCCTCAGGCTCTCTCTCAAGCACTGATTAACAGCTGTCCGTCTCAACCT 1775
Qy 1741 CCCACCACTCCACTCCCAACCCAGGAAGTGAAGGCAAGGAGGAGGAGAGAGAGAGAGAGAG 1800
Db 1776 CCCACCACTCCACTCCCAACCCAGGAAGTGAAGGCAAGGAGGAGGAGAGAGAGAGAGAG 1835
Qy 1801 TGTCTCTGTGTGTCAGAGGCGCCAGCAAGGGAATGTAGAGGAGGTGGAGGTCAAGGCA 1860
Db 1836 TGTCTCTGTGTGTCAGAGGCGCCAGCAAGGGAATGTAGAGGAGGTGGAGGTCAAGGCA 1895
Qy 1861 GCTGGGATTAAGGGGTTGAGGGCTGGGCTGTTGAAGCTGATCT 1903
Db 1896 GCTGGGATTAAGGGGTTGAGGGCTGGGCTGTTGAAGCTGATCT 1938

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RESULT 5

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US-10-027-632-98170
/ Sequence 98170, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027.632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720

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/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 98170
/ LENGTH: 1938
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-98170

Query Match      95.1%; Score 1902.2; DB 18; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCAGTTCATGGTGGCTCTGTAGAGACAGGGGATGATGTGAACCCCTGCATGGC 60
Db 36 TCTCCAGTTCATGGTGGCTCTGTAGAGACAGGGGATGATGTGAACCCCTGCATGGC 95
Qy 61 TATAGCACCTGCTCTCCCGCCCTGATCACTACCTGACCTATTTTGGCTCTAG 120
Db 96 TATAGCACCTGCTCTCCCGCCCTGATCACTACCTGACCTATTTTGGCTCTAG 155
Qy 121 AAGCACTGCTCTCTATGCTCTTGAAGACCACTGCGCATATGACATGATAGATCGA 180
Db 156 AAGCACTGCTCTCTATGCTCTTGAAGACCACTGCGCATATGACATGATAGATCGA 215
Qy 181 GGTAAAGGCAAGCAAAATCTTTCTTAAAGTCAATGACCTGTCAAAAGAACTGGACA 240
Db 216 GGTAAAGGCAAGCAAAATCTTTCTTAAAGTCAATGACCTGTCAAAAGAACTGGACA 275
Qy 241 ACCTGGCAACATAGGAGATAAAAATATTTAAATTTAGCCAGATGTGTAGCCCTG 300
Db 276 ACCTGGCAACATAGGAGATAAAAATATTTAAATTTAGCCAGATGTGTAGCCCTG 335
Qy 301 TAGTCTCAGCGACTCAGAGGCTGAGGAGGCTCACAGAGTGCAGAGTTCAAGAT 360
Db 336 TAGTCTCAGCGACTCAGAGGCTGAGGAGGCTCACAGAGTGCAGAGTTCAAGAT 395
Qy 361 GCAGTAGCTATGATCTCTCCACTGCACTGAAAGTGGGTGACAGACAAAGCTGGCT 420
Db 396 GCAGTAGCTATGATCTCTCCACTGCACTGAAAGTGGGTGACAGACAAAGCTGGCT 455
Qy 421 CTAAATTAATGAATACATAAAGTCTCAGACGTGTGTAGCTAATCTGCGACAGTCAAGC 480
Db 456 CTAAATTAATGAATACATAAAGTCTCAGACGTGTGTAGCTAATCTGCGACAGTCAAGC 515
Qy 481 CTCTACCTGTGATGACAAATGCGACACTATGTCTTTTAACCTGATTCAGACCAAA 540
Db 516 CTCTACCTGTGATGACAAATGCGACACTATGTCTTTTAACCTGATTCAGACCAAA 575
Qy 541 TGTTTTGTGAATATTTTCCCGAGGAAAAACCGGAAGTGTCTTAATTTCTATACATCC 600
Db 576 TGTTTTGTGAATATTTTCCCGAGGAAAAACCGGAAGTGTCTTAATTTCTATACATCC 635
Qy 601 ATTATATAGTTTAACTGTGATTTGGAAAAACCCAGCTCTGATTTGCAATTTAGAGGCGG 660
Db 636 ATTATATAGTTTAACTGTGATTTGGAAAAACCCAGCTCTGATTTGCAATTTAGAGGCGG 695
Qy 661 ACAGCTTTGTGACACTGTCTGCGGAGATTTTCAATTTTAACCTCTCTAGAGGCGCT 720
Db 696 ACAGCTTTGTGACACTGTCTGCGGAGATTTTCAATTTTAACCTCTCTAGAGGCGCT 755
Qy 721 TCTCATGTGAAGTCTCTATATGCCCCAGAGACGCCGAGAGAAAGGCAAGGGGCTGGAGA 780
Db 756 TCTCATGTGAAGTCTCTATATGCCCCAGAGACGCCGAGAGAAAGGCAAGGGGCTGGAGA 815
Qy 781 CGCCCCGAGAGGGCTAGCTGCTCTGAGACAGAGGTCTCTGCTCTCTGCGGCGCTG 840
Db 816 CGCCCCGAGAGGGCTAGCTGCTCTGAGACAGAGGTCTCTGCTCTCTGCGGCGCTG 875
Qy 841 AGCCCACTCTCCCAACACCCCTGCGGAGAGAGCCCAAGAGGAGAGAGAGAGAGAGAGAGAG 900
Db 876 AGCCCACTCTCCCAACACCCCTGCGGAGAGAGCCCAAGAGGAGAGAGAGAGAGAGAGAGAG 935
Qy 901 CTGCCCCAGACCTTCCGTCTCTAGGTGAGGTCTGAATCGGCTTGGAGACCTTGGCTTG 960

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936 CTCGCCGAGACACTTCCGCTCTAGGTGAGATCTGAATCGGCTTGAGACCCCTGCTTG 995
961 GCTTGGGGGACCCCTGGAAGAGTCCACAGAGCCGCGTCCCTCTTCCCTGCTTTTA 1020
996 GCTTGGGGGACCCCTGGAAGAGTCCACAGAGCCGCGTCCCTCTTCCCTGCTTTTA 1055
1021 TCCCTCCGAGACCTTGGCAGGAACGCTCATGTTACGCCCCCTTTGCGACCTCAGACC 1080
1056 TCCCTCCGAGACCTTGGCAGGAACGCTCATGTTACGCCCCCTTTGCGACCTCAGACC 1115
1081 CTGAGCGGAGACCGCTTGGCGCTCTCACTTAGAGCGGACCCGGGAGATGTGGCGGAGTC 1140
1116 CTGAGCGGAGACCGCTTGGCGCTCTCACTTAGAGCGGACCCGGGAGATGTGGCGGAGTC 1175
1141 TGGGGCTGGCTTACCAATGAGATGTGGCGCTTCCATTCGATCGGCTCTGCGACCGCAATTA 1200
1176 TGGGGCTGGCTTACCAATGAGATGTGGCGCTTCCATTCGATCGGCTCTGCGACCGCAATTA 1235
1201 GCGACGCGCTCCCGCGGCGGCTGCGCCCGCAACCCAGTGTGTGAGTTCGCTAGAAA 1260
1236 GCGACGCGCTCCCGCGGCGGCTGCGCCCGCAACCCAGTGTGTGAGTTCGCTAGAAA 1295
1261 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAACTGACGCGCCAGCGGC 1320
1296 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAACTGACGCGCCAGCGGC 1355
1321 TATGCACTGGGCTGGGCGCTTGTGGGATCTCTCCCTCTTCTTACGGGGTTTCAAGAT 1380
1356 TATGCACTGGGCTGGGCGCTTGTGGGATCTCTCCCTCTTCTTACGGGGTTTCAAGAT 1415
1381 CGGCCCCCTTCTGAGACTGGGAAACAGCGCTGACTCAGAGACTTGTGTCTCTCACTG 1440
1416 CGGCCCCCTTCTGAGACTGGGAAACAGCGCTGACTCAGAGACTTGTGTCTCTCACTG 1475
1441 CACTGGGGAAGTGGCGGGGAGCACTTTTGAAGAAGGCGCTGGGAACTTTCGACAGGCAG 1500
1476 CACTGGGGAAGTGGCGGGGAGCACTTTTGAAGAAGGCGCTGGGAACTTTCGACAGGCAG 1535
1501 GTCACTCTCTCACTCTGTGCTCTTGAATCTTTCGATGCTCTGTGCTCTTTCGATACGCTG 1560
1536 GTCACTCTCTCACTCTGTGCTCTTGAATCTTTCGATGCTCTGTGCTCTTTCGATACGCTG 1595
1561 CTCCTGACACAGGAACTCCATCCCATCTTGTGCTGTGAGAACTTTCGAGAACTCTG 1620
1596 CTCCTGACACAGGAACTCCATCCCATCTTGTGCTGTGAGAACTTTCGAGAACTCTG 1655
1621 CAAAGGCTCAGCTTAGAGGTCACTTTCGGAAGCTTTCCTCAACACCTTCCCGCCTG 1680
1656 CAAAGGCTCAGCTTAGAGGTCACTTTCGGAAGCTTTCCTCAACACCTTCCCGCCTG 1715
1681 CTGCTGCTGCTCAGGCGCTCTCTCAACAGACTGATTAACAGCTGTTCCTCAACCTT 1740
1716 CTGCTGCTGCTCAGGCGCTCTCTCAACAGACTGATTAACAGCTGTTCCTCAACCTT 1775
1741 CCCACCACTCCCACTCCACCCCAAGAAAGTGAAGGCGGAGGCGGAGCAAGAGTGTCTG 1800
1776 CCCACCACTCCCACTCCACCCCAAGAAAGTGAAGGCGGAGGCGGAGCAAGAGTGTCTG 1835
1801 TGTCTCTCTGTGTGACAGGCGCCAGCAAAAGGAAATGTAGGAGGTGGAGGTGACAGGCA 1860
1836 TGTCTCTCTGTGTGACAGGCGCCAGCAAAAGGAAATGTAGGAGGTGGAGGTGACAGGCA 1895
1861 GCTGGGATTAAGGGTTGAGGCTGTGGTGTGGAGGCTGAGTCT 1903
1896 GCTGGGATTAAGGGTTGAGGCTGTGGTGTGGAGGCTGAGTCT 1938

RESULT 6
US-09-925-065A-4413
; Sequence 4413, Application US/09925065A
; Publication No. US2005028172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single
FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 10827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/289,846
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4413
LENGTH: 686
TYPE: DNA
ORGANISM: Homo sapiens
US-09-925-065A-4413
Query Match 33.2%; Score 663,6; DB 13; Length 686;
Best Local Similarity 99.8%; Pred. No. 1,3e-193;
Matches 663; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
1 TCTCAAGTCCATGGGTGCTGCTGAGAGACAGGGGAGTGAATGTGAACCCCTGCATGGC 60
23 TCTCAAGTCCATGGGTGCTGCTGAGAGACAGGGGAGTGAATGTGAACCCCTGCATGGC 82
61 TATAGCACCTGCTCCTCCCTGCTGCTGATCACTACCTGGCTATTTTGGCTGTAG 120
83 TATAGCACCTGCTCCTCCCTGCTGCTGATCACTACCTGGCTATTTTGGCTGTAG 142
121 AAGCACTGCTTCCATGCTCCTTAGAGACACTGCGCATATATGACAGATTAAGACATCGA 180
143 AAGCACTGCTTCCATGCTCCTTAGAGACACTGCGCATATATGACAGATTAAGACATCGA 202
181 GCGTAAAGCAACGCAATCTTTTCTTAAAGTCAATACGCTGTCAAAAGAAAGCTGACA 240
203 GCGTAAAGCAACGCAATCTTTTCTTAAAGTCAATACGCTGTCAAAAGAAAGCTGACA 262
241 ACCTGGGCAACATAGGAGATTAATAATTTAATAGCCAGTGTGAGCCCTG 300
263 ACCTGGGCAACATAGGAGATTAATAATTTAATAGCCAGTGTGAGCCCTG 322
301 TAGTCTGAGCACTCAGAGGCTGAGGACAGAGGCTCACAGAGTGCAGAGTTCAAGAT 360
323 TAGTCTGAGCACTCAGAGGCTGAGGACAGAGGCTCACAGAGTGCAGAGTTCAAGAT 382
361 GCAAGTGAATATGATCTGTCACCTGACCTGAAGAGCTGAGTGAAGAGTCAAGCTGAGCT 420
383 GCAAGTGAATATGATCTGTCACCTGACCTGAAGAGCTGAGTGAAGAGTCAAGAGTCAAGCT 442
421 CTATTAATGAATATGAATGAATGCTCAGAGTGAAGTGAATGCTGAGTGAAGTGAAGTGAAGT 480
443 CTATTAATGAATATGAATGAATGCTCAGAGTGAAGTGAATGCTGAGTGAAGTGAAGTGAAGT 502
481 CTATTAATGAATATGAATGAATGCTCAGAGTGAAGTGAATGCTGAGTGAAGTGAAGTGAAGT 540
503 CTATTAATGAATATGAATGAATGCTCAGAGTGAAGTGAATGCTGAGTGAAGTGAAGTGAAGT 562
541 TGTCTCTGTGTGATATTTTCCCGAGGAAACCGGAAGTGAATGAATTTCTATATATCC 600
563 TGTCTCTGTGTGATATTTTCCCGAGGAAACCGGAAGTGAATGAATTTCTATATATCC 622
601 ATTATATTAAGTGAATGCTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 660
623 ATTATATTAAGTGAATGCTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 682
661 ACAG 664
|||||

Db 683 ACAG 686

RESULT 7
US-09-925-065A-4414
; Sequence 4414, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; Nucleotide Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4414
; LENGTH: 686
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-4414

Query Match 33.2%; Score 663.6; DB 13; Length 686;
Best Local Similarity 99.8%; Pred. No. 1.3e-193;
Matches 663; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTCCAAGTCATGGTCTCTGCTAGAGACAGGGGATATGTAACCCCTGCATGGC 60
Db 23 TCTCCAAGTCATGGTCTCTGCTAGAGACAGGGGATATGTAACCCCTGCATGGC 82

QY 61 TATAGCACCTGCTCTCTCCCTGCTGATCACTACCTGGCTATTTTGGCTCTAG 120
Db 83 TATAGCACCTGCTCTCTCCCTGCTGATCACTACCTGGCTATTTTGGCTCTAG 142

QY 121 AAGCACTGCTCTCTATGCTCTTAGAGACCACTGCCGATATGACATAGAACATCGA 180
Db 143 AAGCACTGCTCTCTATGCTCTTAGAGACCACTGCCGATATGACATAGAACATCGA 202

QY 181 GGGTAAGGCAACCCCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Db 203 GGGTAAGGCAACCCCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 262

QY 241 AACTGGCAACATAGGAGATATAAAATTTAATTAATGCGAGTGGTACCCCTG 300
Db 263 AACTGGCAACATAGGAGATATAAAATTTAATTAATGCGAGTGGTACCCCTG 322

QY 301 TAGTCTCAGGCACTCAGAGGCTGAGGCAAGAGCTCACCAAGATGAGAGTTCAAGAT 360
Db 323 TAGTCTCAGGCACTCAGAGGCTGAGGCAAGAGCTCACCAAGATGAGAGTTCAAGAT 382

QY 361 GCGATGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 383 GCGATGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 442

QY 421 CTAATAATGAATACATTAAGTCTCAGCTAGTGGATATCTGCGAGAGTGAAGC 480
Db 443 CTAATAATGAATACATTAAGTCTCAGCTAGTGGATATCTGCGAGAGTGAAGC 502

QY 481 CTCTACCTGCTGATGACAAATGGCACTATGCTTTTAACTGATGGAGACACAA 540
Db 503 CTCTACCTGCTGATGACAAATGGCACTATGCTTTTAACTGATGGAGACACAA 562

QY 541 TGTTTTGAATATTTTCCCGAGGAAAAAACCGGAGTAGTCTTAATTTCTATCATCC 600

Db 563 TGTTTTGAATATTTTCCCGAGGAAAAAACCGGAGTAGTCTTAATTTCTATCATCC 622

QY 601 ATTATATGCTTTTACTGATGATTTGGGAAACCCGACCTGATTTCCATTTCCGGGCGG 660
Db 623 ATTATATGCTTTTACTGATGATTTGGGAAACCCGACCTGATTTCCATTTCCGGGCGG 682

QY 661 ACAG 664
Db 683 ACAG 686

RESULT 8
US-10-027-632-41182
; Sequence 41182, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; Nucleotide Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41182
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-41182

Query Match 29.9%; Score 597.6; DB 14; Length 598;
Best Local Similarity 99.8%; Pred. No. 2.9e-173;
Matches 597; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 116 TCTAGAAGCACTGCTCTCTATGCTCTTGAACCACTGCCGATATGACAGATTAAGAAC 175
Db 1 TCTAGAAGCACTGCTCTCTATGCTCTTGAACCACTGCCGATATGACAGATTAAGAAC 60

QY 176 ATGAGGCTTAAGGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 225
Db 61 ATGAGGCTTAAGGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 120

QY 236 GGAACAACCTGGGCAACATAGCGAGATATAAAATTTAATTAATGACAGATGCTAGGCC 295
Db 121 GGAACAACCTGGGCAACATAGCGAGATATAAAATTTAATTAATGACAGATGCTAGGCC 180

QY 296 CCCTGATGCTCAGGCACTCAGAGGCTGAGGCAAGAGGCTCACCAAGATGAGAGTTGA 355
Db 181 CCCTGATGCTCAGGCACTCAGAGGCTGAGGCAAGAGGCTCACCAAGATGAGAGTTGA 240

QY 356 AGATGCACTGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACC 415
Db 241 AGATGCACTGAGCTATGATCTCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACC 300

QY 416 TGGCTTAATAATGAATATCATTAAGTCTCAGAGCTAGTGGTATGCTGCGAGAT 475
Db 301 TGGCTTAATAATGAATATCATTAAGTCTCAGAGCTAGTGGTATGCTGCGAGAT 360


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/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 9542
/ LENGTH: 563
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC002472.3
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 12
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 14
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 6.7
/ OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 11
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 13
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.7
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 18
US-09-864-761-9542

Query Match      28.1%; Score 563; DB 9; Length 563;
Best Local Similarity 100.0%; Pred. No. 1.3e-162;
Matches 563; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 386 CACTGAAGCTGGGTGACAGACAGACACCTGGCTCTAATTAATGATACATTAAGTCTC 445
DB 563 CACTGAAGCTGGGTGACAGACAGACACCTGGCTCTAATTAATGATACATTAAGTCTC 504
QY 446 ACAGTAGTGTAGTGAATCTGCGACAGTCAAGGCTCTACCTGTGATGACAAATGCG 505
DB 503 ACAGTAGTGTAGTGAATCTGCGACAGTCAAGGCTCTACCTGTGATGACAAATGCG 444
QY 506 ACACATGTCTCTTTAATCTGATGACAGACCAAAATGTTTGATATTTTCCCAAGG 565
DB 443 ACACATGTCTCTTTAATCTGATGACAGACCAAAATGTTTGATATTTTCCCAAGG 384
QY 566 AAAAAACCGAAGTAGTCTTAATCTATATCATCATTAATTAATAGTTTAACTGTGAT 625
DB 383 AAAAAACCGAAGTAGTCTTAATCTATATCATCATTAATTAATAGTTTAACTGTGAT 324
QY 626 GGGAAAAACCGAAGTAGTCTTAATCTATATCATCATTAATTAATAGTTTAACTGTG 685
DB 323 GGGAAAAACCGAAGTAGTCTTAATCTATATCATCATTAATTAATAGTTTAACTGTG 264
QY 686 GGAATTTTCAATTTTAACTCTCTCTCTAGAAAGCCCTTCTCATGTATAAGTTCCGATGCCG 745
DB 263 GGAATTTTCAATTTTAACTCTCTCTCTAGAAAGCCCTTCTCATGTATAAGTTCCGATGCCG 204
QY 746 CCAGGAGCCCGGAGAGAGAGGCGGCGCTGAGAGAGCCCGGAGAGGCGTACGTGCCCT 805
DB 203 CCAGGAGCCCGGAGAGAGAGGCGGCGCTGAGAGAGCCCGGAGAGGCGTACGTGCCCT 144
QY 806 GCTGGAACAGAGTCTCTGCTCTCTCTGCGGCGCGCCAGCCCACTCCACAAACCCCTGCGG 865
DB 143 GCTGGAACAGAGTCTCTGCTCTCTCTGCGGCGCGCCAGCCCACTCCACAAACCCCTGCGG 84
QY 866 GAGMAGCCCCCAGAGAGAGAGAGGCGGCGCTGAGAGAGCCCGGAGAGGCGTACGTGCCCT 925
DB 83 GAGMAGCCCCCAGAGAGAGAGAGGCGGCGCTGAGAGAGCCCGGAGAGGCGTACGTGCCCT 24
QY 926 GGTGCGAGTCTGAATGCGCCTTG 948
DB 23 GGTGCGAGTCTGAATGCGCCTTG 1

RESULT 11
US-09-864-761-9446/C
/ Sequence 9446, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chon, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
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/ FILE REFERENCE: Aeomica-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 9446
/ LENGTH: 554
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC002472.3
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.1
US-09-864-761-9446

Query Match      27.7%; Score 554; DB 9; Length 554;
Best Local Similarity 100.0%; Pred. No. 8e-160;
Matches 554; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 615 ACTGTGATTTGGGAAACCCAGCTCTGATTCATTTACGAGCGGAGACACCTTGTGTC 674
DB 554 ACTGTGATTTGGGAAACCCAGCTCTGATTCATTTACGAGCGGAGACACCTTGTGTC 495
QY 675 ACTGTGCGGGGATTTTCAATTTAACTCTCTTCTAGAGCGCTTCTCATAGTAACT 734
DB 494 ACTGTGCGGGGATTTTCAATTTAACTCTCTTCTAGAGCGCTTCTCATAGTAACT 435
QY 735 TCTGTATGCGCGAGAGCGCGAGAGAGAGGCGGCGCTGAGAGCGCGCGCGAGAGG 794
DB 434 TCTGTATGCGCGAGAGCGCGAGAGAGAGGCGGCGCTGAGAGCGCGCGCGAGAGG 375
QY 795 CTACGTCCCTCTGTGACAGAGTCTCTGCTCTCTGCGCGGCGCGAGCCCACTTCCAC 854
DB 374 CTACGTCCCTCTGTGACAGAGTCTCTGCTCTCTGCGCGGCGCGAGCCCACTTCCAC 315
QY 855 AACCCCTGCGGAGAAACCCCAAGGAGAGAGAGGCGGCGCTGACCTTGTGCGGAGACC 914
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Db 314 AACCCCTGCGGAGAACCCCAAGGGAGAGACGGGCGCTGGCCCTGCCCCGAGACCC 255
Qy 915 TTCCGCTCTAGGCTGGAGGTCTGAATGGCTTGGGACCTCTGCTTGGCTTGGGAGACCC 974
Db 254 TTCCGCTCTAGGCTGGAGGTCTGAATGGCTTGGGACCTCTGCTTGGCTTGGGAGACCC 195
Qy 975 TGCAGAGCTCAGACGGCCCGCTGCTCTTCTCTGCTTTTATCTCCAGACCT 1034
Db 194 TGCAGAGCTCAGACGGCCCGCTGCTCTTCTCTGCTTTTATCTCCAGACCT 135
Qy 1035 CTGGCAGGAACCGCTCATGCTTACGCCCTTTTCGACCTTCAGACCTGAGGCGGAGACC 1094
Db 134 CTGGCAGGAACCGCTCATGCTTACGCCCTTTTCGACCTTCAGACCTGAGGCGGAGACC 75
Qy 1095 GCTTGGCGCTCCTACTTGAAGCGGACCCGGGAGATGGGGGAGATCTGGCGCTGCTGA 1154
Db 74 GCTTGGCGCTCCTACTTGAAGCGGACCCGGGAGATGGGGGAGATCTGGCGCTGCTGA 15
Qy 1155 CCAATCGAGTGTGG 1168
Db 14 CCAATCGAGTGTGG 1
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RESULT 12

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US-10-094-749-1376/c
; Sequence 1376, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
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; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: MAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOMYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; PRIORITY FILING DATE: 2002-03-12
; PRIORITY APPLICATION NUMBER: 60/350,435
; PRIORITY FILING DATE: 2002-01-24
; PRIORITY APPLICATION NUMBER: JP 2001-328381
; PRIORITY FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1376
; LENGTH: 1904
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-1376
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Query Match 22.9%; Score 458.4; DB 18; Length 1904;

Best Local Similarity 99.8%; Pred. No. 4.7e-130;

Matches 459; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 615 ACCGTGATGGGAAAAACCGAGCTGATGCAATTTAGGGGGGAGACGCTTTGGTGC 674
Db 460 ATCTGTGATTTGGAAAAACCGAGCTGATGCAATTTAGGGGGGAGACGCTTTGGTGC 401
Qy 675 ACTGTGCGCGGATTTTTCATTTTAACCTCTCTAGAGCGCTTCTCATGTGAAGT 734
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Db 400 ACTGTCTGCGGGATTTTCCATTTTAACTCTCTTAGAAGCCGCTTCATGTGAAGT 341
Qy 735 TTCTGATGCGCGCAGAGAGCGCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 794
Db 340 TTCTGATGCGCGCAGAGAGCGCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 281
Qy 795 CTAGTGCCCTGTGTCAGACAGAGGTCTCTGCTCTCTCTGCGGCGCGCCAGCCACTCCAC 854
Db 280 CTAGTGCCCTGTGTCAGACAGAGGTCTCTGCTCTCTCTGCGGCGCGCCAGCCACTCCAC 221
Qy 855 AACCCCTGCGGAGAGAACCCCAAGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 914
Db 220 AACCCCTGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 161
Qy 915 TTCCGCTCTAGGCTGGAGGTCTGAATGGGCTTGGGACCTGCTTGGCTTGGGAGACCC 974
Db 160 TTCCGCTCTAGGCTGGAGGTCTGAATGGGCTTGGGACCTGCTTGGCTTGGGAGACCC 101
Qy 975 TGCAGAGCTCAGACGGCCCGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1034
Db 100 TGCAGAGCTCAGACGGCCCGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 41
Qy 1035 CTGGCAGGAACCGCTCATGCTTACGCCCTTTTCGACCT 1074
Db 40 CTGGCAGGAACCGCTCATGCTTACGCCCTTTTCGACCT 1
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RESULT 13

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US-10-029-386-6681
; Sequence 6681, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
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; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GI
; FILE REFERENCE: AEWICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; PRIORITY FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 6681
; LENGTH: 508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.6
; OTHER INFORMATION: NT HIT: AB002059.1, EVALUATE 1.00e-102
; OTHER INFORMATION: SWISSPROT HIT: O35973, EVALUATE 9.30e-01
; OTHER INFORMATION: EST_HUMAN HIT: B1837149.1, EVALUATE 2.00e-13
US-10-029-386-6681
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Query Match 19.2%; Score 383.2; DB 17; Length 508;

Best Local Similarity 87.8%; Pred. No. 4.1e-107;

Matches 455; Conservative 0; Mismatches 53; Indels 10; Gaps 3;

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Qy 1472 GAGAGGCTTGGGAACTTGCAGAGCGAGGTACCTCTGACCTCTGTGCTCTTGAAT 1531
Db 1 GAGAGGCTTGGGAACTTGCAGAGCGAGGTACCTCTGACCTCTGTGCTCTTGAAT 60
Qy 1532 CTTCGATGCTCTGCTCTTTCGATAGCTGCTCCCTGACAGAGAACTCCATCCCATCT 1591
Db 61 CTTCGATGCTCTGCTCTTTCGATAGCTGCTCCCTGACAGAACTCCATCCCATCT 120
Qy 1592 TTGTCTGCTTGTGAACTCAGAAATCTGCAAGGCTAGAGGTCACTTCTCCG 1651
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Tue Nov 15 05:50:01 2005

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Db	1	GAATGTAGGGAGGGTGGAGGTGCAGGGCACCTGGGATTTAGGGGTGAGGGCTGGTGT	60							
QY	1891	GGAGGCTGGAATCTGGATCTGCTTTAGTGGAAAGTGTCCCTTTAACAGCAATGGGCTGGC	1950							
Db	61	GGAGG-----CTGGATCTGCTTTAGTGGAAAGTGTCCCTTTAACAGGGCTGGGCTGGC	114							
QY	1951	CTGGCTCGGGGCTGCTTTGGCTCTCCTGTTACAGTGGGCTGCACGTGCCA	2000							
Db	115	CTGGCTCGGGGCTGCTTTGGCTCTCCTGTTACAGTGGGCTGCACGTGCCA	164							

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Job time : 1652.65 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 8, 2005, 14:17:31 ; Search time 43 Seconds
(without alignments)
703.090 Million cell updates/sec

Title: US-09-820-095B-2
Perfect score: 2226
Sequence: 1 MGSPGATTGMLDYKTEK.....TPGWPCSPDTHLPTHGSL 405

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :
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2: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
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6: /cgn2_6/ptodata/1/iaa/6C_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	2203	99.0	431	3	US-09-381-681-3
2	2203	99.0	441	3	US-09-191-136-31
3	1554	69.8	379	3	US-09-191-136-32
4	822	36.9	422	4	US-09-949-016-6238
5	816	36.7	388	2	US-08-742-621-1
6	816	36.7	397	4	US-09-949-016-9419
7	813	36.5	388	3	US-09-191-608-22
8	794	35.7	388	2	US-08-750-134A-7
9	794	35.7	388	3	US-09-363-745-7
10	793	35.6	388	3	US-09-191-608-23
11	744	33.4	399	2	US-08-742-621-3
12	744	33.4	399	2	US-08-750-134A-11
13	744	33.4	399	3	US-09-363-745-11
14	744	33.4	399	4	US-09-949-016-6236
15	744	33.4	453	4	US-09-949-016-10007
16	739	33.2	399	2	US-08-742-621-4
17	739	33.2	399	2	US-08-750-134A-5
18	739	33.2	399	3	US-09-363-745-5
19	720	32.3	472	2	US-08-742-621-5
20	720	32.3	472	3	US-08-842-079-15
21	720	32.3	472	4	US-09-638-857-15
22	709	31.9	471	3	US-09-191-608-17
23	694	31.2	404	3	US-09-191-608-18
24	693	31.1	497	3	US-09-191-608-20
25	679.5	30.5	397	2	US-08-750-134A-9
26	679.5	30.5	397	3	US-09-363-745-9
27	679.5	30.5	397	3	US-09-191-136-17

28	673.5	30.3	397	3	US-09-191-136-16	Sequence 16, Appl
29	673.5	30.3	397	4	US-09-949-016-6237	Sequence 6237, Ap
30	631	28.3	447	3	US-09-191-608-19	Sequence 19, Appl
31	608.5	27.3	595	3	US-08-842-079-18	Sequence 18, Appl
32	608.5	27.3	595	3	US-08-842-079-20	Sequence 20, Appl
33	608.5	27.3	595	4	US-09-638-857-18	Sequence 18, Appl
34	608.5	27.3	595	4	US-09-638-857-18	Sequence 20, Appl
35	606.5	27.2	280	4	US-09-949-016-9249	Sequence 9249, Ap
36	606.5	27.2	280	4	US-09-949-016-9250	Sequence 9250, Ap
37	602.5	27.1	595	3	US-08-842-079-6	Sequence 6, Appl
38	602.5	27.1	595	3	US-08-842-079-17	Sequence 17, Appl
39	602.5	27.1	595	4	US-09-638-857-6	Sequence 6, Appl
40	602.5	27.1	595	4	US-09-638-857-17	Sequence 17, Appl
41	599	26.9	433	4	US-09-949-016-10009	Sequence 10009, A
42	528.5	23.7	256	4	US-09-949-016-7576	Sequence 7576, Ap
43	528.5	23.7	256	4	US-09-949-016-7577	Sequence 7577, Ap
44	515.5	23.2	289	4	US-09-949-016-10585	Sequence 10585, A
45	349	15.7	211	1	US-07-915-934-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1									
US-09-381-681-3									
Sequence 3, Application US/09381681									
Patent No. 6255472									
GENERAL INFORMATION:									
APPLICANT: TAKINO, Takashi									
APPLICANT: NAKAMURA, Yusuke									
TITLE OF INVENTION: HUMAN GENES									
FILE REFERENCE: 055876									
CURRENT APPLICATION NUMBER: US/09/381,681									
CURRENT FILING DATE: 2000-01-10									
EARLIER APPLICATION NUMBER: JPA 9-093044									
EARLIER FILING DATE: 1997-03-26									
NUMBER OF SEQ ID NOS: 9									
SOFTWARE: PatentIn Ver. 2.1									
SEQ ID NO 3									
LENGTH: 431									
TYPE: PRT									
ORGANISM: Human									
US-09-381-681-3									
Query Match									
Beet Local Similarity 99.0%; Score 2203; DB 3; Length 431;									
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;									
Qy	1	MGSPGATTGMLDYKTEK-----MALLAKGYQERDLE 34							
Db	1	MGSPGATTGMLDYKTEK-----MALLAKGYQERDLE 60							
Qy	35	PQFSITKLGVSVTQIKELGNRLMDVADFYKPOGENVFLVTPAQQVGRCPREH 94							
Db	61	PQFSITKLGVSVTQIKELGNRLMDVADFYKPOGENVFLVTPAQQVGRCPREH 120							
Qy	95	PSVPLACWDEDECPBEGGTHSGVKTGCQVFNNGHRTCEISKCPVBSGVPSPRL 154							
Db	121	PSVPLACWDEDECPBEGGTHSGVKTGCQVFNNGHRTCEISKCPVBSGVPSPRL 180							
Qy	155	AAQNFPLFTKNUTPFKFNFSKNALETWDPYFKHCRPEPOSPYCPVRIQDLVAKA 214							
Db	181	AAQNFPLFTKNUTPFKFNFSKNALETWDPYFKHCRPEPOSPYCPVRIQDLVAKA 240							
Qy	215	GGTFEDALLGGSGVIRVHMDCDLDTGSCWPHYSFQLOEKSYNFTATHMWEQPGVEA 274							
Db	241	GGTFEDALLGGSGVIRVHMDCDLDTGSCWPHYSFQLOEKSYNFTATHMWEQPGVEA 300							
Qy	275	RTLKLKYGIRFDILVTOAGKFGILPTAVVLGTGAALGVTFPCDLLLVYDEAHFYW 334							
Db	301	RTLKLKYGIRFDILVTOAGKFGILPTAVVLGTGAALGVTFPCDLLLVYDEAHFYW 360							
Qy	335	RTKYEAKAPKATANSVREIALASQARLAECLRSSAPAPATAAGSOTOTPGWPCSS 394							

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Db      361 RTYEAKAPKATANSVWRELALASQARLAECLERRSSAPATAAGSQTOTGWPCCPS 420
Qy      395 DTHLPTHSGSL 405
         421 DTHLPTHSGSL 431

RESULT 2
US-09-191-136-31
; Sequence 31, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; FILE REFERENCE: 6293 US. P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens (polypeptide)
; US-09-191-136-31

Query Match      99.0%; Score 2203; DB 3; Length 441;
Best Local Similarity 94.0%; Pred. No. 2,5e-235;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

Qy      1 MSGPGATTGWLIDYKTEK-----WALLAKKGYQERDLE 34
Db      11 MSGPGATTGWLIDYKTEKVTMRNMRVGAQLRLQFGIVVYVGMALLAKKGYQERDLE 70
Qy      35 POSIITTKLKGVSVTQIKELGNRLMDVADPVKPPGGENVFELVTNPLVTPTAQQVGRCPREH 94
Db      71 POSIITTKLKGVSVTQIKELGNRLMDVADPVKPPGGENVFELVTNPLVTPTAQQVGRCPREH 130
Qy      95 PSYPLANCWVDEDCPEEGCGTSHGVTGQCQVFNNGTHRTCEIWSMCPVESGVVPSRPLL 154
Db      131 PSYPLANCWVDEDCPEEGCGTSHGVTGQCQVFNNGTHRTCEIWSMCPVESGVVPSRPLL 190
Qy      155 AQAQNTTFLIKNTVTTSKFNFSKSNALETWDPYFKHCRVEPQSPYCPVFRIGDLVAKA 214
Db      191 AQAQNTTFLIKNTVTTSKFNFSKSNALETWDPYFKHCRVEPQSPYCPVFRIGDLVAKA 250
Qy      215 GGFEEFLALLGSGVGI RVHWDCCDLDTGDSGCMPHYSFQLOEKSYNRTATTHMWEQGVFA 274
Db      251 GGFEEFLALLGSGVGI RVHWDCCDLDTGDSGCMPHYSFQLOEKSYNRTATTHMWEQGVFA 310
Qy      275 RTLLKLKYGIRFDILVTGQAGKFGILPTAVVLGTGAAMLGVATFFCDLLLYVDREAHFYW 334
Db      311 RTLLKLKYGIRFDILVTGQAGKFGILPTAVVLGTGAAMLGVATFFCDLLLYVDREAHFYW 370
Qy      335 RTYEBAKAPKATANSVWRELALASQARLAECLERRSSAPATAAGSQTOTGWPCCPS 394
Db      371 RTYEBAKAPKATANSVWRELALASQARLAECLERRSSAPATAAGSQTOTGWPCCPS 430
Qy      395 DTHLPTHSGSL 405
         421 DTHLPTHSGSL 431
```

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Db      431 DTHLPTHSGSL 441

RESULT 3
US-09-191-136-32
; Sequence 32, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; FILE REFERENCE: 6293 US. P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Rattus rattus
; US-09-191-136-32

Query Match      69.8%; Score 1554; DB 3; Length 379;
Best Local Similarity 75.7%; Pred. No. 2e-163;
Matches 281; Conservative 26; Mismatches 38; Indels 26; Gaps 1;

Qy      6 ATTGWLIDYKTEK-----WALLAKKGYQERDLEPQFSI 39
Db      8 ALVSMGFLDYKTEKRYMTNRCWVGISQRLQLGVVYVGMALLAKKGYQERDMDQISV 67
Qy      40 ITYKKGVSVTQIKELGNRLMDVADPVKPPGGENVFELVTNPLVTPTAQQVGRCPREHPSVPL 99
Db      68 ITYKKGVSVTQYKELEKRLMDVADPVKPPGGENVFELVTNPLVTPTAQQVGRCPREHPSVPL 127
Qy      100 ANCWVDEDCPEEGCGTSHGVTGQCQVFNNGTHRTCEIWSMCPVESGVVPSRPLLAQON 159
Db      128 ANCWVDEDCPEEGCGTSHGVTGQCQVFNNGTHRTCEIWSMCPVESGVVPSRPLLAQON 187
Qy      160 FTLEIKNTVTTSKFNFSKSNALETWDPYFKHCRVEPQSPYCPVFRIGDLVAKAGCTFE 219
Db      188 FTLEIKNTVTTSKFNFSKSNALETWDPYFKHCRVEPQSPYCPVFRIGDLVAKAGCTFE 247
Qy      220 DIALLGSGVGI RVHWDCCDLDTGDSGCMPHYSFQLOEKSYNRTATTHMWEQGVFA 279
Db      248 DIALLGSGVGINI HMDCNDTSGDCSPQYSFQLOERGVNFRPTANYMMAAGVESRSLK 307
Qy      280 LYGIRFDILVTGQAGKFGILPTAVVLGTGAAMLGVATFFCDLLLYVDREAHFYRTKYE 339
Db      308 LYGIRFDILVTGQAGKFGILPTAVVLGTGAAMLGVATFFCDLLLYVDREAHFYRTKYE 367
Qy      340 EAKAPKATANS 350
         368 EAKAPKATANS 378

RESULT 4
US-09-949-016-6238
; Sequence 6238, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

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; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO: 6238
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-6238

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Query Match          36.9%; Score 822; DB 4; Length 422;
Best Local Similarity 40.3%; Pred. No. 4e-82;
Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;

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QY 12 LLDYKTEK-----WALLAKKGYQERDLEPOFSIITKLKG 45
D 13 LFDYKTEKXVIAKKKVGGLYRLLOASILAYLVWVFLIKKGQDVIDTSLQSAVITVKKG 72
QY 46 VSVTQIKELGNRLMDVADFKVPPPOGENVFELVTLVTPAOGRCRPHSPVPLANCWD 105
D 73 VAFNITSDLGRIWDVADYVIPAQGENVFVATVNLIVPNOROVCAENEGIPDGACSKD 132
QY 106 EDCEGEGGTHSHGVKQGVCFVNGFTHR-TCEIWSWCVESSGVPSRRLLAQONFTLFI 164
D 133 SDGAGEAVTAGNGVKGRCLRRGNLARKGCEIFAMCLETSSRPEEFLEADFTIFI 192
QY 165 KNTVTFSEKFNFSKSNALETWDPPTYFKHCRYEPOFSYCPVFRIGDLVAKAGTEEDLALL 224
D 193 KNHTRFPFNFSKSNVMDVVKRSFLKSHCFPK-NHYEPIFRLGSIYVMAWSDPDQDLALR 251
QY 225 GGSVIGIRVHMDCLDPTGDSGCMPIYSF-QLOEK-----SYNPRATTHWBOGVART 276
D 252 GGVIGINIEWNCDDLKKAASECHPHYSFGRILNKLKSVSSGYNFRFARYRDAAGVEPR 311
QY 277 LKXIGIRFDILVTGQAGKFLIPTAVTLTGAMLMGVTFECOLLILYVREAHFYWRT 336
D 312 LMKVYGRFDVWVWVGK-----AFFCDLVILYIKKKEFYRDK 349
QY 337 KYEBAKAPKATANSVMRELALASOARLAECURSSAPA-----PTVTAAGSQ 383
D 350 KYEVRGLBDSQAEDB---ASGLGLSEQL--TSGRDLLGMPROQLQEPPEAKRGSSS 404
QY 384 TQTPGWPCP 392
D 405 QKGNQSVCP 413

```

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RESULT 5
US-08-742-621-1
; Sequence 1, Application US/08742621
; Patent No. 5856129
; GENERAL INFORMATION:
; APPLICANT: HILLMAN, JENNIFER L.
; APPLICANT: COLEMAN, ROGER
; TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:

```

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; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,621
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0147 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 388 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: consensus
; US-08-742-621-1

```

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Query Match          36.7%; Score 816; DB 2; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.6e-81;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

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QY 20 WALLAKKGYQERDLEPOFSIITKLKGVSTQIKELGNRLMDVADFKVPPPOGENVFELVTLN 79
D 46 WVFWEKGYQEBTD-SVSSVTTKVGVAVTNTSKLGRIMDVADYVIPAQENSLFYWTN 104
QY 80 FLVTPAOGRCRPHSPVPLANCWVDEDCREGEGETSHGVKQGVCFVNGFTHRCEIWS 139
D 105 VILTMNTOGICPEPIPRATTV-CKSDASCTAGSAGHSNGVSTGRVAFNGSVATCEVAA 163
QY 140 WCPVSEGV-VPSSRRLLAQONFTLFIKNTVTFSEKFNFSKSNALETWDPPTYFKHCRYEPOF 198
D 164 WCPVEDDTHVQPAFLAENFTLIVQNNIWRPNFSKSNILPNTITTLKSKITVAKT 223
QY 199 SPYCPVFRIGDLVAKAGTEEDLALLGSGVIRVHMDCLDPTGDSGCMPIYSFQLOE--- 255
D 224 DPECPFRILKIVENACHSFQDMAVEGGINGIQVWMDCNIDRAASLCLPRYSFRRLPTRD 283
QY 256 -----KSNPRATTHWBOGVARTLKLXIGIRFDILVTGQAGKFLIPTAVTLGTGA 309
D 284 VEHNVSPGYNFRFARYRDLAGNEORTLIKAYGIRFDIIVFGKAGKFDIIPMTINISGL 343
QY 310 AMLGVTFECOLLILYVREAHFYWRTKYE 339
D 344 ALLGMATVLCDIIVLYCKMKKLYREKKYK 373

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RESULT 6
US-09-949-016-9419
; Sequence 9419, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

```

```

? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FASTSEQ for Windows Version 4.0.
  SEQ ID NO 9499
  LENGTH: 397
  TYPE: CRT
? ORGANISM: Human
  OS-09-949-016-9419

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Query Match	Score	DB	Length
36.78;	816;	4;	397;
Post Local Similarity	47.08	Doc No 1	78.01

QY	2	WALLARKGQOEADBLEPQFIIKLGASVTOIKELGNRLMDAOPVAPDQGENVFLVYN	79
QY	20	WVFMWKEGYQOEAD-BWVSVVTTKVGAVWNTSKSGFRIMDAUYVPAQENSLFVMTV	113
Db	55	WVFMWKEGYQOEAD-BWVSVVTTKVGAVWNTSKSGFRIMDAUYVPAQENSLFVMTV	113
QY	80	FLVTPAQQVQRCRBEHPHSVLANCWDCEQPEGEGTSHGVKTCQVFNQGTARTCEIWS	139
Db	114	VIITIMNQGLCEPELIPDATTV-CRSDASCTGASCHTNSNGVSTRCVAFNGSVKTECVAA	172
QY	140	WCPVESGV-VPSRPLLAQONFTLEIKNTVTSKFNESKSNALETWDPYFKHCRVEPQF	198
Db	173	WCVEEDDTHVPOPAFLKAENFTLLVKNINWPKFNFSKRNILETITTLTKSCIIDAKT	232
QY	199	SPCPAPFRIGDILVAKAGCFEEDLALLGSGVGRHWCDLDTGSGCQWPHYSQLOE---	255
Db	233	DPECPLEFRGKIVENNHSFQDMAVEGGIMGQVNMDCMLRAASLCLPRISFRRLDTRD	292
QY	256	-----KSYNFRATATWWEQPCVEARTLKLUGIRFDILVTOAGAKGLPIATVLGTGA	309
Db	293	VEHNVSQGNPFRFAKAYRDLAENQRTLIKAYGIRFDIIVGKAGKREDIIPIMINISGSL	352
QY	310	AMUGVATFFCDLILLVYDREAHFYKRTYKE	339
Db	353	ALMGATVULCDIITIVLCMKRRLIYYEKRYK	382

```

RESULT 7
US-09-191-608-22
; Sequence 22, Application US/09191608
; Patent No. 6242216
; GENERAL INFORMATION:
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Metzger, Randy E.
; APPLICANT: Niforatos, Wende
; APPLICANT: Touma, Edward B.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding a Functional
; TITLE OF INVENTION: Human Purinoceptor P2x2 and P2x4 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6194-US, P1
; CURRENT APPLICATION NUMBER: US/09/191,608
; CURRENT FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 388
; TYPE: PR1
; ORGANISM: Homo sapiens
; US-09-191-608-22

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Query Match	36.5%	Score 813, DB 3:	Length 388;
Best Local Similarity	47.0%	Pred. No. 3.5e-81;	
Matches 155; Conservative	55;	Mismatches 108;	Indels 12; Gaps 4

Qy 20 WALLAKKGVQEQLDLEQFSIIITKLKGVSTOYIKELGNRLMVADEVKPQGEENFLVLTN 79
| : : ||||| | : ||||| : ||||| : ||||| : |||||
Db 46 WVFVEKEGVOEID-SVVSSVTTKKVAGVAVNTNSKIGFIMVDADYVIPAGEENSLFMPTN 104
80 FLVTPAQVGRCPEHNSVPANCWIDEDECPEGEGETSHSGVKTQCQVFNQTHHTCEINS 139

Db 105 VLTENNQTGGLCEPLRDATTV - CKSDASCTAGSAGTSHNGSTGRCVAFNGSVITCEVAA 163

Qy 140 MCGVEGV - VPERPILLAQONFTLEIKNTVFFSEFNKSMSLALETWPTPEFKHCRYPQF 198

Db 164 MCVCEDETHVPPAPLKAENFTLLVKNINYPKFNFSKRILPNTITTYLKSLDYAKT 223

Qy 199 SPYCPVFRIGDILVAKAGTFEDLLGGSSVGIKRVHMDCDLDTGSGCWPHYSFQLOE -- 255

Db 224 DPCCPIFRFGKIKVENAGHGFODMAVEGGIMGIQVNMNCNDRAASLCLPRYSFRRLDTRD 283

Qy 256 -----KSYNFTATTHWEOPGVEARLTLLKYGIRFDILVYTGQAGKGLIPIVATLLTGTA 309

Db 284 VEHNVSPGNPFPAKYRYRDLGNNEQRTLIKAYGIRFDIYVGKAGKEDIIPITMINIGSL 343

Qy 310 AMIGVATFFCCDLLLTVYVREAHFYVARTXE 339

Db 344 ALLGMATVLCGLIIVLYCMKKRLRYNEKKYK 373

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RESULT 8
US-08-750-134A-7
: Sequence 7, Application US/08750134A
: Patent No. 5985603
: GENERAL INFORMATION:
: APPLICANT: VALERA, SOLEDAD
: APPLICANT: BUELL, GARY
: TITLE OF INVENTION: P2x RECEPTORS (PURINOCEPTOR FAMILY)
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: NIXON & VANDERHVE P. C.
: STREET: 1100 NORTH GLEBE ROAD
: CITY: ARLINGTON
: STATE: VIRGINIA
: COUNTRY: U.S.A.
: ZIP: 22201-4714
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/750,134A
: FILING DATE: 22-JAN-1997
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: CRANFORD, ARTHUR C.
: REGISTRATION NUMBER: 25,327
: REFERENCE/DOCKET NUMBER: 1430-116
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703) 816-4006
: TELEFAX: (703) 816-4100
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 388 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-750-134A-7

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Query Match	35.7%	Score 794	DB 2	Length 388
Best Local Similarity	46.7%	Pred. No. 4.4e-79		
Matches 154	Conservative 55	Mismatches 109	Indels 12	Gaps 4

[illegible]

Db 164 MCEPVNDVGVPTPAFLKAENFTLLVKNINIMYPKFNFSKKNILPNITTSYLKSCITYNAQT 223
Qy 199 SPYCPVFRIDGLVAKAGTFEDLALLGSGVIRHWMCDLDTGSGCWPYHSPLOE--- 255
Db 224 DPFCPIRLGTIVGDAGHSFOEMAVEGGINGIOIKWMCNIDRAASLCLPRYSFRRLDTRD 283
Qy 256 -----KSYNFRATTHMEOGVEARFTLLKLYGIRFDILVTGAGKFGLLPTAVTLGTGA 309
Db 284 LEHNVSGYINFRPAKYYRDLAKGEORLTLYKAYGIRFDIIVFGAKGKFDIIPMTINVSGL 343
Qy 310 AMIGVTFPCDLLLLVYDREAHFYWRKTYE 339
Db 344 ALLGVATVLCDVIVLYCMKKKKYYRDKKYK 373

RESULT 9
US-09-363-745-7
; Sequence 7, Application US/09363745
; Patent No. 6194162

GENERAL INFORMATION:

APPLICANT: VALERA, SOLEDAD
APPLICANT: BUELL, GARY
TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHAYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/363,745
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/750,134
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: CRAWFORD, ARTHUR C.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 1430-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4006
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 388 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-363-745-7

Query Match 35.7%; Score 794; DB 3; Length 388;
Best Local Similarity 46.7%; Pred. No. 4,4e-79;
Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

Qy 20 WALLAKGYOERDLEPPOFSIITLKGYSVTOIKELNRLMDVADFYKPPGCVNFEFLVLTN 79
Db 46 WVFVMEKGYOETD-SVSSVYTTAKGVAVNTSOLGFRIMDVADYVIPAQENSLEFMTN 104
Qy 80 FLVTPAVOGRCPHPSVPLANCWVDEDCPEGSGTSHGKVGKGCVCVFNQTHRTCEIWS 139
Db 105 MIVTVNQTOSTCEIIPD-KTISCNSDADCTPGSVDTSSGVATRCVFPNESVKTCEVAA 163
Qy 140 WCPVESGV-VPSRPLLAQONFTLFIKNTVTFSKFNFSKSNALETWDPYFKHCRYEPOF 198
Db 344 ALLGVATVLCDVIVLYCMKKKKYYRDKKYK 373

Db 164 MCEPVNDVGVPTPAFLKAENFTLLVKNINIMYPKFNFSKKNILPNITTSYLKSCITYNAQT 223
Qy 199 SPYCPVFRIDGLVAKAGTFEDLALLGSGVIRHWMCDLDTGSGCWPYHSPLOE--- 255
Db 224 DPFCPIRLGTIVGDAGHSFOEMAVEGGINGIOIKWMCNIDRAASLCLPRYSFRRLDTRD 283
Qy 256 -----KSYNFRATTHMEOGVEARFTLLKLYGIRFDIIVTGAAGKFGLLPTAVTLGTGA 309
Db 284 LEHNVSGYINFRPAKYYRDLAKGEORLTLYKAYGIRFDIIVFGAKGKFDIIPMTINVSGL 343
Qy 310 AMIGVTFPCDLLLLVYDREAHFYWRKTYE 339
Db 344 ALLGVATVLCDVIVLYCMKKKKYYRDKKYK 373

RESULT 10
US-09-191-608-23
; Sequence 23, Application US/09191608
; Patent No. 6242216

GENERAL INFORMATION:

APPLICANT: Lynch, Kevin J.
APPLICANT: Burgard, Edward C.
APPLICANT: Metzger, Randy E.
APPLICANT: Niforatos, Wende
APPLICANT: Touma, Edward B.
TITLE OF INVENTION: Nucleic Acids Encoding a Functional
TITLE OF INVENTION: Human Purinoceptor P2X2 and P2X4 And Methods Of Production
FILE REFERENCE: 6394 US..P1
CURRENT APPLICATION NUMBER: US/09/191,608
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 388
TYPE: PRT
ORGANISM: Rattus rattus
US-09-191-608-23

Query Match 35.6%; Score 793; DB 3; Length 388;
Best Local Similarity 46.7%; Pred. No. 5,7e-79;
Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

Qy 20 WALLAKGYOERDLEPPOFSIITLKGYSVTOIKELNRLMDVADFYKPPGCVNFEFLVLTN 79
Db 46 WVFVMEKGYOETD-SVSSVYTTAKGVAVNTSOLGFRIMDVADYVIPAQENSLEFMTN 104
Qy 80 FLVTPAVOGRCPHPSVPLANCWVDEDCPEGSGTSHGKVGKGCVCVFNQTHRTCEIWS 139
Db 105 MIVTVNQTOSTCEIIPD-KTISCNSDADCTPGSVDTSSGVATRCVFPNESVKTCEVAA 163
Qy 140 WCPVESGV-VPSRPLLAQONFTLFIKNTVTFSKFNFSKSNALETWDPYFKHCRYEPOF 198
Db 164 MCEPVNDVGVPTPAFLKAENFTLLVKNINIMYPKFNFSKKNILPNITTSYLKSCITYNAQT 223
Qy 199 SPYCPVFRIDGLVAKAGTFEDLALLGSGVIRHWMCDLDTGSGCWPYHSPLOE--- 255
Db 224 DPFCPIRLGTIVGDAGHSFOEMAVEGGINGIOIKWMCNIDRAASLCLPRYSFRRLDTRD 283
Qy 256 -----KSYNFRATTHMEOGVEARFTLLKLYGIRFDIIVTGAAGKFGLLPTAVTLGTGA 309
Db 284 LEHNVSGYINFRPAKYYRDLAKGEORLTLYKAYGIRFDIIVFGAKGKFDIIPMTINVSGL 343
Qy 310 AMIGVTFPCDLLLLVYDREAHFYWRKTYE 339
Db 344 ALLGVATVLCDVIVLYCMKKKKYYRDKKYK 373

RESULT 11
US-08-742-621-3
; Sequence 3, Application US/08742621
; Patent No. 5856129

GENERAL INFORMATION:
APPLICANT: HILLMAN, JENNIFER L.
APPLICANT: COLEMAN, ROGER
TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Hillings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 166438
US-08-742-621-3

Query Match 33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;
QY 20 WALLAKGYOEHRLEPOFSIITKLKGVSVYTOIKELGNRLMDVADPFVKPPGSENVFPLVFN 79
Db 47 WFLYKGYQTS-GLISSVSVKLGLAVTQLPGLGPQVADVADYVFPAGDNSFVVMFN 105
QY 80 FLVTPAOGVGRCPHPSVPLANCWVDEDCPEEGGTHSHGVKTGCQCVFNGTHRTCEIWS 139
Db 106 FLVTPQGTQGYCAEHHEGGI--CKEDSGCTPGKAKKAGCIRTGKCVANNDVTKTEIIG 163
QY 140 WCPVE-SGVVPSRPLIAQAONFTLFTKNTVTSKFNFSKNALETWDPYFKHCRYEPOF 198
Db 164 WCPVEVDDDI PRPALREAEENFTLFTKNSISFPRFKNRNLVEEVNAAHMTCLFHKTL 223
QY 199 SPYCPVFRIGDLVAKAGCFEDLALLGSVGRVHMDCOLDPTGDSGCWHYSQ--LQK 256
Db 224 HPLCPVFGQGYVQESGQNFSTLAERGVGVGTTIDHCDLDHVRHCRPIYEHGLYEER 283
QY 257 S----YNFRATATWVOPGVFARTLLKLGIRFDILVTGQAGKFGILPTAVTLGTGAAMI 312
Db 284 NLSPGNFFRFAHFVN-CTNVRHLFKVGIRFDILVDGAKGFDIIPMTTIGSGIGIF 342
QY 313 GVATVFCDDLLLVDBEAHFY--WRTKYBEAKAPKATANSVRELALASQA-RLAECLE 369
Db 343 GVATVFCDDLLLVDBEAHFY--WRTKYBEAKAPKATANSVRELALASQA-RLAECLE 369
QY 370 S 370
Db 399 S 399

RESULT 12
US-08-750-134A-11
Sequence 11, Application US/08750134A
Patent No. 5985603
GENERAL INFORMATION:
APPLICANT: VALERA, SOLEDAD
APPLICANT: BUELL, GARY
TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P. C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-6714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/750,134A
FILING DATE: 22-JAN-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: CRAWFORD, ARTHUR C.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 1430-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4006
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-750-134A-11

Query Match 33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;
QY 20 WALLAKGYOEHRLEPOFSIITKLKGVSVYTOIKELGNRLMDVADPFVKPPGSENVFPLVFN 79
Db 47 WFLYKGYQTS-GLISSVSVKLGLAVTQLPGLGPQVADVADYVFPAGDNSFVVMFN 105
QY 80 FLVTPAOGVGRCPHPSVPLANCWVDEDCPEEGGTHSHGVKTGCQCVFNGTHRTCEIWS 139
Db 106 FLVTPQGTQGYCAEHHEGGI--CKEDSGCTPGKAKKAGCIRTGKCVANNDVTKTEIIG 163
QY 140 WCPVE-SGVVPSRPLIAQAONFTLFTKNTVTSKFNFSKNALETWDPYFKHCRYEPOF 198
Db 164 WCPVEVDDDI PRPALREAEENFTLFTKNSISFPRFKNRNLVEEVNAAHMTCLFHKTL 223
QY 199 SPYCPVFRIGDLVAKAGCFEDLALLGSVGRVHMDCOLDPTGDSGCWHYSQ--LQK 256
Db 224 HPLCPVFGQGYVQESGQNFSTLAERGVGVGTTIDHCDLDHVRHCRPIYEHGLYEER 283
QY 257 S----YNFRATATWVOPGVFARTLLKLGIRFDILVTGQAGKFGILPTAVTLGTGAAMI 312
Db 284 NLSPGNFFRFAHFVN-CTNVRHLFKVGIRFDILVDGAKGFDIIPMTTIGSGIGIF 342
QY 313 GVATVFCDDLLLVDBEAHFY--WRTKYBEAKAPKATANSVRELALASQA-RLAECLE 369
Db 343 GVATVFCDDLLLVDBEAHFY--WRTKYBEAKAPKATANSVRELALASQA-RLAECLE 369
QY 370 S 370
Db 399 S 399

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OY          370 S 370
Db          399 S 399

RESULT 14
US-09-949-016-6236
; Sequence 6236, Application US/09949016
; Patent No. 681239
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GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6236
; LENGTH: 399
; TYPE: prt
; ORGANISM: Human
; US-09-949-016-6236

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[illegible]

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/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 10007
/ LENGTH: 453
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-10007
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Query Match 33.4%; Score 744; DB 4; Length 453;

Best Local Similarity 44.0%; Pred. No. 2e-73;

Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

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Db 101 WFLVLEKGYQTS-GLISSVSVLKLAVTQLPGLGPQWDVADYVFPAGDNSFVMTN 159
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 80 FLVTPAQVOGRCPEHPSPVLANCWVDEDCPEEGGTHSHGVKTGCQCVFNNGTHRTCEIWS 139
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 160 FLVTPKQTOGYCAEHBEggi--CKEDSGCTPGKAKRKAOGIIRTKCVAFNIDIVKTCEIFG 217
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QY 140 WCPVE-SGVVPSRPLAONFTLFIKNVTPEKSNFNSKSNALETWDPYFKHCRYEPQF 198
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 218 WCPVEYDDIPRPALREABNFTLFTKNSISFPFRVNRNRLVEBVNAAMKTCLEPHKTL 277
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 199 SPYCPVFRIGDVLAKAGTFEDIALIGSGVIGIRVHNDLDTGDSGCPHYSFQ--LQEK 256
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Db 278 HPLCPYFQJGYVQESGQNFSTLAEKGVVGIIDWHCDMDHVRHCRPIYEFHGLYERK 337
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 257 S---YNFRATHWMEQPGVEARTLKLKYGIRPDIIVTGOAGKFGLIPTAVTLGTGAML 312
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Db 338 NLSPGFNFRFARHVEN-GTNYRHLFKVFGIRFDIIVDGKAGKFDIIPMTWTIGSGIGIF 396
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 313 GVTTFRCDLLLYVDREAHFY--WRTKYEAKAPKATANSVWRELALASQA-RLAECLR 369
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Db 397 GVAIVLCDLLLHLIPKRHYKQKFRFYAEDMGPGAEE--RDLAATSTTGLQENMRT 452
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QY 370 S 370
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Db 453 S 453
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Search completed: November 8, 2005, 14:20:11
Job time : 45 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 8, 2005, 14:17:32 ; Search time 162 Seconds
(without alignments)
1046.024 Million cell updates/sec

Title: US-09-820-095B-2
Perfect score: 2226
Sequence: 1 MGSPGATTGGLDYLKTEK.....TPGWPCPSDTHLPTHSGL 405

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/prodata/1/pubppaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/prodata/1/pubppaa/PCT_NEW_PUB.pep:*
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- 11: /cgn2_6/prodata/1/pubppaa/US09C_PUBCOMB.pep:*
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- 19: /cgn2_6/prodata/1/pubppaa/US11_PUBCOMB.pep:*
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- 21: /cgn2_6/prodata/1/pubppaa/US60_NEW_PUB.pep:*
- 22: /cgn2_6/prodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2226	100.0	405	10	US-09-820-095-2
2	2203	99.0	431	10	US-09-820-095-4
3	2203	99.0	431	16	US-10-817-607-11
4	1128.5	50.7	395	15	US-10-817-607-12
5	1080.5	48.5	364	15	US-10-051-874-125
6	825.5	37.1	422	16	US-10-128-558-144
7	822	36.9	422	16	US-10-128-558-145
8	822	36.9	422	16	US-10-170-7158-572
9	822	36.9	422	18	US-10-983-340-31
10	816	36.7	388	9	US-09-833-082-2
11	816	36.7	388	15	US-10-455-552-2

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	388	388	388	388	388	399	399	399	459	459	459	459	397	397	402	404	387	397	372	372	447	447	473	595	595	595	595	595	595	595	595	595	595	595	595
	US-10-817-607-9	US-10-482-029-257	US-10-676-289-2	US-10-386-414-17	US-10-817-607-10	US-10-352-684-54	US-10-817-607-8	US-10-504-688-4	US-10-345-680-11	US-10-051-874-123	US-10-817-607-6	US-10-408-765A-2202	US-10-491-545A-42	US-09-764-875-905	US-10-051-874-124	US-10-051-874-120	US-10-455-552-3	US-10-817-607-7	US-10-504-688-2	US-10-504-688-5	US-10-051-874-121	US-10-051-874-122	US-10-051-874-42	US-10-825-593-11	US-10-825-593-9	US-10-825-593-3	US-10-825-593-11	US-10-825-593-11	US-10-817-607-3	US-10-817-607-4	US-10-825-593-4	US-10-825-593-5	US-10-825-593-10	US-10-825-593-10	
	Sequence 9, Appl1	Sequence 257, App	Sequence 17, Appl1	Sequence 12, Appl1	Sequence 10, Appl1	Sequence 54, Appl1	Sequence 8, Appl1	Sequence 4, Appl1	Sequence 11, Appl1	Sequence 123, Appl1	Sequence 6, Appl1	Sequence 2202, Ap	Sequence 42, Appl1	Sequence 905, App	Sequence 124, App	Sequence 120, App	Sequence 3, Appl1	Sequence 7, Appl1	Sequence 2, Appl1	Sequence 5, Appl1	Sequence 121, App	Sequence 122, App	Sequence 4, Appl1	Sequence 2166, Ap	Sequence 1, Appl1	Sequence 40, Appl1	Sequence 3, Appl1	Sequence 9, Appl1	Sequence 11, Appl1	Sequence 3, Appl1	Sequence 4, Appl1	Sequence 5, Appl1	Sequence 10, Appl1		

ALIGNMENTS

RESULT 1
US-09-820-095-2
Sequence 2, Application US/09820095
Publication No. US20030233668A1
GENERAL INFORMATION:
APPLICANT: WEI, Ming-Hui et al
TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
FILE REFERENCE: CLO01202
CURRENT FILING DATE: 2001-03-29
CURRENT FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 405
TYPE: PRT
ORGANISM: Human
US-09-820-095-2

Query Match 100.0%; Score 2226; DB 10; length 405;
Best Local Similarity 100.0%; Pred. No. 7e-214;
Matches 405; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MGSPGATTGGLDYLKTEKVALAKKGYQYRDLEPQPSITTKLKGVSVTQIKELGNFLMD	60
DB	1	MGSPGATTGGLDYLKTEKVALAKKGYQYRDLEPQPSITTKLKGVSVTQIKELGNFLMD	60
QY	61	VADPVKPPQGENYFELVTNPLVTPAQYQGRCPHPSPVPLANCWVDEDCPBGEGTSHGV	120
DB	61	VADPVKPPQGENYFELVTNPLVTPAQYQGRCPHPSPVPLANCWVDEDCPBGEGTSHGV	120
QY	121	KTGQCVFNQTHRTCEIWSNCPVSGVPSRPLLAQONFTLFIKNTVTSKFNFSXNA	180

Db 121 KTGOCVFNHRTCEIWSMCPVSGVPSRPLLAQONFTLFIKNTVTFSEKFNFSKNA 180
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Db 181 LETMDPTTFKHCYEPQSPYCPVFRIGDLVAKAGGFEDLALGSGVGIRVHMDCDLDT 240
Qy 241 GDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEARLLKLYGIRFDILVTGQAGKFGILIP 300
Db 241 GDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEARLLKLYGIRFDILVTGQAGKFGILIP 300
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Qy 361 ARLAECLRRSSAPAPATAAGSQTOTPGMPCPSSDTHLPTHSSGL 405
Db 361 ARLAECLRRSSAPAPATAAGSQTOTPGMPCPSSDTHLPTHSSGL 405

RESULT 2

US-09-820-095-4
; Sequence 4, Application US/09820095
; Publication No. US20030233668A1

; GENERAL INFORMATION:

; APPLICANT: WEI, Ming-Hui et al

; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED

; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR

; TITLE OF INVENTION: PROTEINS, AND USES THEREOF

; FILE REFERENCE: CL001202

; CURRENT APPLICATION NUMBER: US/09/820, 095

; CURRENT FILING DATE: 2001-03-29

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 431

; TYPE: PRT

; ORGANISM: Human

US-09-820-095-4

Query Match 99.0%; Score 2203; DB 10; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;

Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

Qy 1 MGSFGATTGMLLDYKTEK-----WALLAKKGYOERDLE 34
Db 1 MGSFGATTGMLLDYKTEKXYVTRMWRVGAQLRLQFGIVVYVVGWALLAKKGYOERDLE 60
Qy 35 PQFSITTKLKGVSVTQIKELGNRLMDVADFVKRPOGENVFPLVTNPLVTPAQVQGRCPBH 94
Db 61 PQFSITTKLKGVSVTQIKELGNRLMDVADFVKRPOGENVFPLVTNPLVTPAQVQGRCPBH 120
Qy 95 PSVPLANCWVDEDCPEBEGGTHSHGVKTCQCVFNGTHRTCEIWSMCPVSGVPSRPLL 154
Db 121 PSVPLANCWVDEDCPEBEGGTHSHGVKTCQCVFNGTHRTCEIWSMCPVSGVPSRPLL 180
Qy 155 AQAONFTLFIKNTVTFSEKFNFSKSNALFTWDPTRYFHCYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAONFTLFIKNTVTFSEKFNFSKSNALFTWDPTRYFHCYEPQSPYCPVFRIGDLVAKA 240
Qy 215 GGTFFEDLALGSGVGIRVHMDCDLDTGDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEA 274
Db 241 GGTFFEDLALGSGVGIRVHMDCDLDTGDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEA 300
Qy 275 RTLLKLKLYGIRFDILVTGQAGKFGILIPAVTLGTGAAMLGVTFFCDLILLYVDREAHFYW 334
Db 301 RTLLKLKLYGIRFDILVTGQAGKFGILIPAVTLGTGAAMLGVTFFCDLILLYVDREAHFYW 360
Qy 335 RTKYEBAKAPKATANSVMRELALASQARLAECCLRRSSAPAPATAAGSQTOTPGMPCPSS 394
Db 361 RTKYEBAKAPKATANSVMRELALASQARLAECCLRRSSAPAPATAAGSQTOTPGMPCPSS 420
Qy 395 DTHLPTHSSGL 405
|||||

Db 421 DTHLPTHSSGL 431

RESULT 3

US-10-817-607-11

; Sequence 11, Application US/10817607

; Publication No. US20040229262A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICED VARIANT,

; TITLE OF INVENTION: HBMYP2X7V

; FILE REFERENCE: D0272 NP

; CURRENT APPLICATION NUMBER: US/10/817, 607

; CURRENT FILING DATE: 2004-04-02

; PRIOR APPLICATION NUMBER: U.S. 60/460340

; PRIOR FILING DATE: 2003-04-03

; NUMBER OF SEQ ID NOS: 96

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 11

; LENGTH: 431

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-817-607-11

Query Match 99.0%; Score 2203; DB 16; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;

Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

Qy 1 MGSFGATTGMLLDYKTEK-----WALLAKKGYOERDLE 34
Db 1 MGSFGATTGMLLDYKTEKXYVTRMWRVGAQLRLQFGIVVYVVGWALLAKKGYOERDLE 60
Qy 35 PQFSITTKLKGVSVTQIKELGNRLMDVADFVKRPOGENVFPLVTNPLVTPAQVQGRCPBH 94
Db 61 PQFSITTKLKGVSVTQIKELGNRLMDVADFVKRPOGENVFPLVTNPLVTPAQVQGRCPBH 120
Qy 95 PSVPLANCWVDEDCPEBEGGTHSHGVKTCQCVFNGTHRTCEIWSMCPVSGVPSRPLL 154
Db 121 PSVPLANCWVDEDCPEBEGGTHSHGVKTCQCVFNGTHRTCEIWSMCPVSGVPSRPLL 180
Qy 155 AQAONFTLFIKNTVTFSEKFNFSKSNALFTWDPTRYFHCYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAONFTLFIKNTVTFSEKFNFSKSNALFTWDPTRYFHCYEPQSPYCPVFRIGDLVAKA 240
Qy 215 GGTFFEDLALGSGVGIRVHMDCDLDTGDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEA 274
Db 241 GGTFFEDLALGSGVGIRVHMDCDLDTGDSGCMPHYSFQLOEKSYNFRATTHWEOPGVEA 300
Qy 275 RTLLKLKLYGIRFDILVTGQAGKFGILIPAVTLGTGAAMLGVTFFCDLILLYVDREAHFYW 334
Db 301 RTLLKLKLYGIRFDILVTGQAGKFGILIPAVTLGTGAAMLGVTFFCDLILLYVDREAHFYW 360
Qy 335 RTKYEBAKAPKATANSVMRELALASQARLAECCLRRSSAPAPATAAGSQTOTPGMPCPSS 394
Db 361 RTKYEBAKAPKATANSVMRELALASQARLAECCLRRSSAPAPATAAGSQTOTPGMPCPSS 420
Qy 395 DTHLPTHSSGL 405
Db 421 DTHLPTHSSGL 431
|||||

RESULT 4
US-10-817-607-12
; Sequence 12, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICED VARIANT,
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817, 607
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340

; PRIOR FILING DATE: 2003-04-03
 ; NUMBER OF SEQ ID NOS: 96
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 12
 ; LENGTH: 395
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: P2X Consensus Polypeptide Sequence
 US-10-817-607-12

Query Match 50.7%; Score 1128.5; DB 16; Length 395;
 Best local Similarity 55.7%; Pred. No. 6,7e-104;
 Matches 201; Conservative 53; Mismatches 90; Indels 17; Gaps 5;

```

Qy 9 GW---GLDYKTEKMLAKKGYQERDLEPQFSIITLKGVS---SYVQIKELGRMLDVA 62
Db 33 GWAASGAGTSLSHRYVFLMEKGYQDRDTSPOSSVITKVGAMTNVTQTSMLGNRWMDVA 92
Qy 63 DFKPPOGENVFLVTLNLTTPAQVGRCEHPSPVPLANCWDEDECEGEGTSHGVKT 122
Db 93 DYIIPRGENVFFMTMTMITVTPNTOGYCPHPREVPDGNCKSDSDCHAGEAGHGHIKT 152
Qy 123 GQCVENGTI-RICEIWSQCPVE-SGVPSRPLIAQONFTLTKNTVTSKENFSKSA 180
Db 153 GRCVRFNHSHRRTCEIWMCPVEDDDHVPMPMLKEAENFTIFIKNSIMFEPKFNFSKNI 212
Qy 181 LETMDPTVFHCHCRYPQSPYCPYRIGDLVAKAGTFEDLALLGSGVGRVHMDCLDT 240
Db 213 LEMWMDTYMHCHCHHPKHPYCPYRIGDLVEMAGQFODLHAGVGIGIQIMWDCDLW 272
Qy 241 GDSGCWPHYSFOLOEK-----SYNFRATHWMEOPGVEARTLLKLKYGIRFDILVTG 291
Db 273 AMHCHWYHFFHLDNRKHEHNSPGYNFRPAKYWNNGVEYETTLKAKAIGIRDVYHG 332
Qy 292 QAKGFGILPAVTLTGGAAMLGVVTFPCDILLLVYDREAHFYWRTKYEAKAPKATANSV 351
Db 333 KAKGFDIIPMINISGLAMWGVTFPCDWILLCYMKKRYHYHKKFEYEDMKOGANSE 392
Qy 352 W 352
Db 393 W 393
  
```

RESULT 5

US-10-051-874-125
 ; Sequence 125, Application US/10051874
 ; Publication No. US20040005557A1
 ; GENERAL INFORMATION:

; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Alsobrook II, John P
 ; APPLICANT: Coleman, Steven D
 ; APPLICANT: Spytek, Kimberly A
 ; APPLICANT: Boldog, Ferenc
 ; APPLICANT: Verneet, Corine AM
 ; APPLICANT: Li, Li
 ; APPLICANT: Shenoy, Suresh G
 ; APPLICANT: Casman, Stacie J
 ; APPLICANT: Guo, Xiaojia Saeba
 ; APPLICANT: Edinger, Shlomit R
 ; APPLICANT: MacDougall, John R
 ; APPLICANT: Malyanar, Uriel M
 ; APPLICANT: Paturajan, Meera
 ; APPLICANT: Shinkets, Richard A
 ; APPLICANT: Pena, Carol BA
 ; APPLICANT: Tchernev, Velizar T
 ; APPLICANT: Zerhusen, Bryan D
 ; APPLICANT: Miller, Isabelle
 ; APPLICANT: Miller, Charles E
 ; APPLICANT: Lepley, Denise M
 ; APPLICANT: Smithson, Glenda
 ; APPLICANT: Baumgartner, Jason C
 ; APPLICANT: Herriman, John L

; APPLICANT: Peyman, John A
 ; APPLICANT: Gorman, Linda
 ; APPLICANT: Mezes, Peter D
 ; APPLICANT: Kekuda, Ramesh
 ; APPLICANT: Taupier Jr, Raymond J
 ; APPLICANT: Gerlach, Valerie
 ; APPLICANT: Grose, William M
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Rothenberg, Mark
 ; APPLICANT: Stone, David J
 ; APPLICANT: Burgess, Catherine E
 ; TITLE OF INVENTION: PROTEIN, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
 ; FILE REFERENCE: 21402-245

; CURRENT APPLICATION NUMBER: US/10/051,874
 ; CURRENT FILING DATE: 2002-09-25
 ; PRIOR APPLICATION NUMBER: 60/268,595
 ; PRIOR FILING DATE: 2001-02-14
 ; PRIOR APPLICATION NUMBER: 60/325,306
 ; PRIOR FILING DATE: 2001-09-27
 ; PRIOR APPLICATION NUMBER: 60/262,587
 ; PRIOR FILING DATE: 2001-01-18
 ; PRIOR APPLICATION NUMBER: 60/272,409
 ; PRIOR FILING DATE: 2001-02-28
 ; PRIOR APPLICATION NUMBER: 60/262,454
 ; PRIOR FILING DATE: 2001-01-18
 ; PRIOR APPLICATION NUMBER: 60/276,777
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/291,672
 ; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: 60/330,336
 ; PRIOR FILING DATE: 2001-10-18
 ; PRIOR APPLICATION NUMBER: 60/265,530
 ; PRIOR FILING DATE: 2001-01-31
 ; PRIOR APPLICATION NUMBER: 60/261,376
 ; PRIOR FILING DATE: 2001-01-16
 ; NUMBER OF SEQ ID NOS: 269
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 125
 ; LENGTH: 364
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: P2X_receptor
 ; OTHER INFORMATION: domain sequence
 US-10-051-874-125

Query Match 48.5%; Score 1080.5; DB 15; Length 364;
 Best local Similarity 56.1%; Pred. No. 3.9e-99;
 Matches 203; Conservative 44; Mismatches 80; Indels 35; Gaps 4;

```

Qy 14 DYTERK-----MALAKKGYQERDLEPQFSIITLKGVS 47
Db 2 DYTTPKYVVVRNKKVGLNRLVOLLIVYVGVFLIEKGYQSDTSLSQSVITKVGVA 61
Qy 48 VTQIKELGNRLMVDAPVKKPPOGENVFLVTLNLTTPAQVGRCEHPSPVPLANCWDED 107
Db 62 VNTSEGNRWVADVVIIPRGENVFFVVTNFIIPNQTGTCPEHPVPDGTCKSDSD 121
Qy 108 CPEGEGTSHGVKTGQCVVFNGT-HRTCEIWSQCPVESGVPSRPLIAQONFTLFIKN 166
Db 122 CTAGEAGTHONGIKTGRCAVFNQSVRTCEIFAMCPVEVTVVNPPLKKAENFTITIKN 181
Qy 167 TVTFSKFNFSKNALETMDPTVFHCHCRYPQSPYCPYRIGDLVAKAGTFEDLALLGG 226
Db 182 SIRFPKFNFSKGNLLEKTDITYLKHCRFHTNDPCPIFRLDGVVEKAGQDFODLALKG 241
Qy 227 SVGIRVHMDCLDTGSGCWPYHYSFO-----LQKRS-----YNFRATHWMEOPGVEARTLL 278
Db 242 VIGIITNMDCDLKAASECNPYHYSFRRLDNKKKSVSPGYNFRPAKYWNNGVEYETTL 301
Qy 279 KLVGIRFDILVLTGQAGKFGILPFAVTLTGGAAMLGVVTFPCDILLLVYDREAHFYWRTKY 338
  
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Db      302 KAYGRFVLVNGKAGKCKDIIFTINITSGLASLGVGIFLCDLILLYFLKRAHPIROKKE 361
QY      339 EE 340
      ||
Db      362 EE 363

RESULT 6
US-10-128-558-144
; Sequence 144, Application US/10128558
; Publication No. US20040219521A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Wang, Zhiwei
; APPLICANT: Weng, Gezhn
; APPLICANT: Boyle, Bryan J
; APPLICANT: Drmanac, Radoje T
; TITLE OF INVENTION: Novel Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 812A
; CURRENT APPLICATION NUMBER: US/10/128,558
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/339,453
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: PCT/US01/03800
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/515,126
; PRIOR FILING DATE: 2000-02-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 412
; SOFTWARE: pc_fl_genes Version 6.0
; SEQ ID NO 144
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-128-558-144

Query Match      37.1%; Score 825.5; DB 16; Length 422;
Beet Local Similarity 42.7%; Pred. No. 1,7e-73;
Matches 166; Conservative 63; Mismatches 125; Indels 35; Gaps 7,

QY      20 WALLAKKGQERDLEPQSIITKLKGVSYTQIKELGNRLMYADYVKRPPQGANFFFLVTN 79
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      46 WVFWEKGYOETD-SVBSVTTKVGAVVNTNSKGFRIWDVADVIPAQOENSLFVMTN 104
      ::::: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      80 FLVTPAIOVQGRCPREHPSVPLANCWDEDCPEGEGETSHGVYTGCGCVVFNNGHRTCEIWS 139
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      105 VILTNQOQGLCELPDATTY-CKSDASCTAGSAGTSHSGVSTGCAVFNQSVKTCCEVAA 163
      ::::: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      140 MCPVESGV-VPSRPLLAQONFTLEIKNTVTFSKNFKSNALFTWMDPTYFKHCRYPEQF 198
      ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      164 MCPVEDDTHVHPQAPLKAENFTLLVKNINIWYPRKNFASKRNLIRITTTLYLKSCTYDAKT 223
      ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      199 SPYCVFPIGDLVAKAGTFFEDLALLGSGVGIRVHMDCDLDTGDSGCMPIHYSFQLOF--- 255
      ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      224 DPFCIFIFLTKIVENAGHGSFQDMAVEGGIMGQVNMDCNLDPAASLCLPRVSFRLLDRD 283
      ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      266 -----KSYNFRFATHHMMQRCVEAKRTLLKLXGIFFDLIVTQCAQKFGILPAAYVLGTGA 309
      ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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Db      264 VEHNVSPGYNRFKAYRYDLAGNEQRTILKAYGRFDIIVGKAKGKPIITMTINISGL 343
QY      310 AMLGVTFEFCDLLLLYYDREAHFYWRTKYEBAKAPKATANSVMRELAASQARIACURR 369
Db      344 ALLGMATVLCGDIIVLYGCMKKRFLYREKKYKAVEDYEQGPS-W----- 385
QY      370 SSAPAPFTATA---GSOTPTGWCPCPSD 395
Db      386 --PPAGTGLSSLGCGSPGPGFVWGCPGSAE 412

RESULT 7
US-10-370-715B-572
; Sequence 572, Application US/10370715B
; Publication No. US20040258678A1
; GENERAL INFORMATION:
;   Patin Docket Preview
;   APPLICANT: BODARY, SARAH C.
;   APPLICANT: CLARK, HILLARY
;   APPLICANT: BRISDELL, HUNTE
;   APPLICANT: JACKMAN, JANET
;   APPLICANT: SCHOENFELD, JILL R.
;   APPLICANT: WILLIAMS, P. MICKEY
;   APPLICANT: MOOD, WILLIAM I.
;   APPLICANT: WU, THOMAS D.
;   TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune
;   TITLE OF INVENTION: Related Diseases
;   FILE REFERENCE: P1948R1-US
;   CURRENT APPLICATION NUMBER: US/10/370,715B
;   CURRENT FILING DATE: 2003-02-21
;   NUMBER OF SEQ ID NOS: 742
;   SEQ ID NO 572
;   LENGTH: 422
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-370-715B-572

Query Match      36.9%, Score 822, DB 16, Length 422:
Best Local Similarity 40.3%, Pred. No. 3,8e-73;
Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;

QY      12 LLDVTKTK-----WALLAKKGYERDLEPOFSIITKLKG 45
Db      13 LPDVKTEKYVIAKKKKVGLLYRLQASTLAVLVVWVFLIKKGYDDVDSLOSAVITKVG 72
QY      46 VSVTQIKELGNRLDVADFYKPPQGENVFPLVTNFLYTPAQQGRCEPHPSVPLANCVWD 105
Db      73 VAFNTISDLGQRINDVADYVIRAGENVFFVTNLTLYTPNRQWVCANENBIPGACSKD 132
QY      106 EDCPBGECGTHSHQVKTGQCVLVENGTHR-TCEIWSMCVBESGVPSRPLAQAONFLTLFI 164
Db      133 SDCHAGEAVLTAGNVKAGKRCRLRGNLARGTCEIFAMCGPLETSSRPPEBFLEKAEFDIFI 192
QY      165 KNATYTESKENSRSKMALETWDPYTFKRCRYEPQSPYCPVRIGDILVAKAGTFEDIALLL 224
Db      193 KNHIRFPKENSKNVNVMDYKDRSEFLKSGHPEPK-NHYCPFLRSGIYRWAGSDFDODIALR 251
QY      225 GGSVGIKRVHMDCDLDTGDSGCMPIYSF-OLQEK-----SYNFRTA THWMEQPGVEART 276
Db      252 GGVIGININEMWCDLIDKASBECHPIYSFRLDNKLSKSVSSYVNRPRARYRDAAGVERFT 311
QY      277 LKLTGIRFDILVTGQAGKFGELIPTAVLTGTGAAMLGVTFFCDLLLYVDREAHFYWRT 336
Db      312 LMKAYGIRFDVDMVNGK-----AFFCDLVLIYILKKREFYRDK 349
QY      337 KYEBAKAPKATANSVMRELAASQARIACURRASA-----PTTAAGSQ 383
Db      350 KYEEVRGLGESSQAEDE--ASGLGISEQL-TSGGLLGMPBQQLQEPPEAKRGSSS 404
QY      384 TOTPGWPCP 392
Db      405 OKNGSWCP 413

```


RESULT 8

US-10-983-340-31
Sequence 31, Application US/10983340
Publication No. US20050238649A1
GENERAL INFORMATION:
APPLICANT: Doronina, Svetlana O.
APPLICANT: Toki, Brian E.
APPLICANT: Senter, Peter D.
APPLICANT: Ebens, Allen J.
APPLICANT: Polakowski, Paul.
APPLICANT: Sitkowski, Mark X.
APPLICANT: Spencer, Susan D.
APPLICANT: Kline, Toni Beth
TITLE OF INVENTION: MONOMETHYLALANINE COMPOUNDS CAPABLE OF CONJUGATION TO LIGANDS
FILE REFERENCE: 018891-001020US
CURRENT APPLICATION NUMBER: US/10/983,340
CURRENT FILING DATE: 2004-11-05
PRIOR APPLICATION NUMBER: US 60/598,899
PRIOR FILING DATE: 2004-08-04
PRIOR APPLICATION NUMBER: US 60/557,116
PRIOR FILING DATE: 2004-03-26
PRIOR APPLICATION NUMBER: US 60/518,534
PRIOR FILING DATE: 2003-11-06
NUMBER OF SEQ ID NOS: 35
SEQ ID NO 31
LENGTH: 422
TYPE: PRT
ORGANISM: Homo sapien
US-10-983-340-31

Query Match 36.9%; Score 822; DB 18; Length 422;
Best Local Similarity 40.3%; Pred. No. 3.8e-73;

Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;

QY 12 LLDYKTEK-----MALLAKGYOERDLEPOFSITTKLG 45
DB 13 LPDYKTEKYVIAKNNKVGILYRLQASILAYLVWVFLIKGYQDVDTSLQSAVITKVG 72
QY 46 VSTYQIKELNRLMDVADFYKPPROGENVFELVNTFVTPAOVGRCPEHSPVLANCWD 105
DB 73 VAFNTNSDLQRIWADVAVYIPAGGENVFVVTNLITVTPORQVCAENEGIDPGACSKD 132
QY 106 EDCPEEGCGTHSHGVKTCQGVNFNGTHR-TCEIWSKCPVSGVPSRPLAQAQNFLLFI 164
DB 133 SDCHAGAVTAGNGVKTGRCLRRGNLARGTCEIFAMCPLTSSRPBPFLKEADFTIFI 192
QY 165 KNTVTSKFNFSKSNALETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTFEDLALL 224
DB 193 KNHIRFKFNFSKNVNDVDRSLKSGHCPK-NHXCPIFRIGSVIRMGSDFOIDIALR 251
QY 225 GGSVGIRVHWDCLDITDSCGWPYHSF-QLOEK-----SYNFRATHWMEOPGVART 276
DB 252 GGVYGINIENWCDLDKAASECHPHYSFSLDNKLSKSVSSGVNFRFARYRDAAGVEFRT 311
QY 277 LKLKYGIRFDILVTGQAGKFGILPTAVTLGTGAAMLGVTFFCDLLLLYVDREAHFYWRT 336
DB 312 LMFAYGIRFVWVWNGK-----AFCDLVILYLIKKEEFYRDK 349
QY 337 KYEBAKPKATANSVWRELALASQARLAECIRSSAPA-----PTATAAGSQ 383
DB 350 KYEVRRLDSDSQAEDB---ASGLGSLSEQL--TSRGLGMPQEQQLQEPPEAKRSSS 404
QY 384 TQTPGMPCP 392
DB 405 QKNGSVCP 413

RESULT 9

US-10-989-826-18
Sequence 18, Application US/10989826
Publication No. US20050238650A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Crowley, Craig
APPLICANT: De Sauvage, Frederic J.
APPLICANT: Eaton, Daniel L.
APPLICANT: Ebens, Allen
APPLICANT: Polson, Andrew
APPLICANT: Smith, Victoria
TITLE OF INVENTION: Compositions and Methods for the Treatment of Tumor of
FILE REFERENCE: P9105RIUS
CURRENT APPLICATION NUMBER: US/10/989,826
CURRENT FILING DATE: 2004-11-16
PRIOR APPLICATION NUMBER: US 60/520,842
PRIOR FILING DATE: 2003-11-17
PRIOR APPLICATION NUMBER: US 60/532,426
PRIOR FILING DATE: 2003-12-24
NUMBER OF SEQ ID NOS: 75
SEQ ID NO 18
LENGTH: 422
TYPE: PRT
ORGANISM: Homo sapiens
US-10-989-826-18

Query Match 36.9%; Score 822; DB 18; Length 422;
Best Local Similarity 40.3%; Pred. No. 3.8e-73;

Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;

QY 12 LLDYKTEK-----MALLAKGYOERDLEPOFSITTKLG 45
DB 13 LPDYKTEKYVIAKNNKVGILYRLQASILAYLVWVFLIKGYQDVDTSLQSAVITKVG 72
QY 46 VSTYQIKELNRLMDVADFYKPPROGENVFELVNTFVTPAOVGRCPEHSPVLANCWD 105
DB 73 VAFNTNSDLQRIWADVAVYIPAGGENVFVVTNLITVTPORQVCAENEGIDPGACSKD 132
QY 106 EDCPEEGCGTHSHGVKTCQGVNFNGTHR-TCEIWSKCPVSGVPSRPLAQAQNFLLFI 164
DB 133 SDCHAGAVTAGNGVKTGRCLRRGNLARGTCEIFAMCPLTSSRPBPFLKEADFTIFI 192
QY 165 KNTVTSKFNFSKSNALETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTFEDLALL 224
DB 193 KNHIRFKFNFSKNVNDVDRSLKSGHCPK-NHXCPIFRIGSVIRMGSDFOIDIALR 251
QY 225 GGSVGIRVHWDCLDITDSCGWPYHSF-QLOEK-----SYNFRATHWMEOPGVART 276
DB 252 GGVYGINIENWCDLDKAASECHPHYSFSLDNKLSKSVSSGVNFRFARYRDAAGVEFRT 311
QY 277 LKLKYGIRFDILVTGQAGKFGILPTAVTLGTGAAMLGVTFFCDLLLLYVDREAHFYWRT 336
DB 312 LMFAYGIRFVWVWNGK-----AFCDLVILYLIKKEEFYRDK 349
QY 337 KYEBAKPKATANSVWRELALASQARLAECIRSSAPA-----PTATAAGSQ 383
DB 350 KYEVRRLDSDSQAEDB---ASGLGSLSEQL--TSRGLGMPQEQQLQEPPEAKRSSS 404
QY 384 TQTPGMPCP 392
DB 405 QKNGSVCP 413

RESULT 10

US-09-833-082-2
Sequence 2, Application US/09833082
Patent No. US20020151480A1
GENERAL INFORMATION:
APPLICANT: Chun, Miyoung
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218
FILE REFERENCE: NMT-227
CURRENT APPLICATION NUMBER: US/09/833,082
CURRENT FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 2

	Query March	36.7%	Score 816;	DB 17;	length 388;
	Best Local Similarity	47.0%	Pred. No. 1.4e-72;		
	Matches 155;	Conservative 56;	Mismatches 107;	Indels 12;	Gaps 4
Qy	20	WALLAKGYOERDLEPOPSITTKLGASVTOIKELGNLMVDADVVKPEOGENVFPLVTN	79		
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Dd	46	WVFWEKGYCEND-SVSSVTTTKVGAVNTNSTSKLGRIMVDADYVIPAQEENSLFFWMTN	104		
	:	: :: :::			
Qy	80	FLLVTPAQYGCGCPHFHSVPLANCMWDCECPBEFGSTHGHGVTGGCVFNNGTHRCCEIMS	139		
	:	: :: :::			

Query Match	36.4%	Score 810;	DB 15;	Length 388;
Best Local Similarity	46.7%	Pred. NO.5.4e-72;		
Matches 154;	Conservative 56;	Mismatches 108;	Indels 12;	Gaps 4;

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 10, 2005, 03:17:03 ; Search time 444.577 Seconds
(without alignments)
9911.659 Million cell updates/sec

Title: US-09-820-095B-1

Perfect score: 2693
Sequence: 1 ttcgtgaccatcgtgccgcg.....aaaaaaaaaaaaaaaaaaaaa 2693

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1515.4	56.3	1697	US-09-381-681-2	Sequence 2, Appl1
2	1162.4	43.2	1360	US-09-191-136-30	Sequence 10, Appl1
3	1155.8	42.9	1293	US-09-381-681-1	Sequence 1, Appl1
4	394.4	14.6	396	US-09-191-136-28	Sequence 28, Appl1
5	243.6	9.0	1978	US-09-949-016-367	Sequence 367, App
6	239.2	8.9	1750	US-09-016-434-831	Sequence 831, Appl1
7	239.2	8.9	1762	US-08-742-621-2	Sequence 2, Appl1
8	237.6	8.8	1206	US-09-191-608-21	Sequence 21, Appl1
9	237.6	8.8	1389	US-09-949-016-3548	Sequence 3548, Ap
10	233.4	8.7	2597	US-09-949-016-4136	Sequence 4136, Ap
11	233.4	8.7	2643	US-08-750-134A-10	Sequence 10, Appl1
12	233.4	8.7	2643	US-09-363-745-10	Sequence 10, Appl1
13	233.4	8.7	2643	US-09-023-655-897	Sequence 897, Appl1
14	233.4	8.7	2643	US-09-949-016-365	Sequence 365, App
15	231.6	8.6	1946	US-09-949-016-4138	Sequence 4138, Ap
16	225.4	8.4	1997	US-08-750-134A-6	Sequence 6, Appl1
17	225.4	8.4	1997	US-09-363-745-6	Sequence 6, Appl1
18	214.4	8.0	1421	US-09-191-608-14	Sequence 14, Appl1
19	213.2	7.9	1436	US-09-191-608-13	Sequence 13, Appl1
20	206	7.6	1837	US-08-750-134A-4	Sequence 4, Appl1
21	206	7.6	1837	US-09-363-745-4	Sequence 4, Appl1
22	200.2	7.4	237	US-09-191-136-29	Sequence 29, Appl1
23	199.4	7.4	1499	US-09-191-608-16	Sequence 16, Appl1
24	198.8	7.4	1034	US-09-949-016-3378	Sequence 3378, Ap
25	198.8	7.4	1034	US-09-949-016-3379	Sequence 3379, Ap
26	168.6	6.3	1243	US-09-191-136-15	Sequence 15, Appl1
27	165.4	6.1	1456	US-09-949-016-366	Sequence 366, Appl1

28	156.2	5.8	1272	3	US-09-191-136-13	Sequence 13, Appl1
29	155.4	5.8	1349	3	US-09-191-608-15	Sequence 15, Appl1
30	155.4	5.8	1753	2	US-08-750-134A-8	Sequence 8, Appl1
31	155.4	5.8	1753	3	US-09-363-745-8	Sequence 8, Appl1
32	144.4	5.4	1156	4	US-09-949-016-1705	Sequence 1705, Ap
33	144.4	5.4	1156	4	US-09-949-016-1706	Sequence 1706, Ap
34	131.2	4.9	961	4	US-09-023-655-370	Sequence 370, Appl1
35	115.8	4.3	1033	4	US-09-949-016-4714	Sequence 4714, Ap
36	103.8	3.9	1853	3	US-08-842-079-19	Sequence 19, Appl1
37	103.8	3.9	1853	4	US-09-638-857-19	Sequence 19, Appl1
38	99.8	3.7	3540	3	US-08-842-079-16	Sequence 16, Appl1
39	99.8	3.7	3540	4	US-09-638-857-16	Sequence 16, Appl1
40	94	3.5	94	3	US-09-191-136-18	Sequence 18, Appl1
41	92.4	3.4	394	3	US-09-191-136-27	Sequence 27, Appl1
42	90.4	3.4	878	1	US-07-915-934-3	Sequence 3, Appl1
43	90.4	3.4	878	1	US-08-325-743-3	Sequence 3, Appl1
44	83.2	3.1	531	3	US-09-191-608-8	Sequence 8, Appl1
45	66.4	2.5	25370	4	US-09-949-016-122109	Sequence 12109, A

ALIGNMENTS

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RESULT 1
US-09-381-681-2
; Sequence 2, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: 055876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1697
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)..(1338)
US-09-381-681-2

Query Match      56.3%; Score 1515.4; DB 3; Length 1697;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1512; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 97 GTGGGCTCTCTCTGCGCAAAAAGGCTACAGAGCGGAGCTTGAMACCCAGTTTTCAT 156
Db 180 GTGGGCGCTCTCTGCGCAAAAAGGCTACAGAGCGGAGCTTGAMACCCAGTTTTCAT 239
QY 157 CATACCAAACTCAAGGGTTTCCGTCACCTCAGATTAAGAGCTTGAACCGGCTGTG 216
Db 240 CATACCAAACTCAAGGGTTTCCGTCACCTCAGATTAAGAGCTTGAACCGGCTGTG 299
QY 217 GGATGTGGCGGCACTTCTGTAAGCACTCAGAGGAGAGAGAGTGTCTTCTTGTGACCAA 276
Db 300 GGATGTGGCGGCACTTCTGTAAGCACTCAGAGGAGAGAGAGTGTCTTCTTGTGACCAA 359
QY 277 CTTCCTTGTAGCGCCAGCCCAAGTTCAAGGAGATGCCCAAGACCCCGTCCCACT 336
Db 360 CTTCCTTGTAGCGCCAGCCCAAGTTCAAGGAGATGCCCAAGACCCCGTCCCACT 419
QY 337 GGCCTAAGCTGCTGCTGACGACGACGACGACGACGACGACGACGACGACGACGACG 396
Db 420 GGCCTAAGCTGCTGCTGACGACGACGACGACGACGACGACGACGACGACGACGACG 479
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Db      480 TGTAAAAACAGGCCACTGTGTGTGTTCAATTGGGACCCACAGGACCTGTGAGATCTGGAG 539
Qy      457 TTGGTCCCAAGTGGAGATGGCGTTTGCCCTCGAGGACCCCTGTGGCCAGGCCAGAA 516
Db      540 TTGGTGGCCCGTGGAGATGGCGTTTGCCCTCGAGGACCCCTGTGGCCAGGCCAGAA 599
Qy      517 CTTTCAACTGTTTATCAAAAAACAGTCACTTTCAGCAAGTTCAACTTCTTAAGTCAA 576
Db      600 CTTTCAACTGTTTATCAAAAAACAGTCACTTTCAGCAAGTTCAACTTCTTAAGTCAA 659
Qy      577 TGCCTTGGAGACCTGGGACCCCACTATTTTAAGCACTGCGGTATGAAACCAATTCAG 636
Db      660 TGCCTTGGAGACCTGGGACCCCACTATTTTAAGCACTGCGGTATGAAACCAATTCAG 719
Qy      637 CCCCTACTGTCCCGTGTTCGCAATTGGGACCTGTGGCCAAAGCTTGGAGGACCTTGA 696
Db      720 CCCCTACTGTCCCGTGTTCGCAATTGGGACCTGTGGCCAAAGCTTGGAGGACCTTGA 779
Qy      697 GGAACCTGGCTTCTGTGGTGGCTCTGTGAGGCATCAGATTCACTGGGATTTGACCTGA 756
Db      780 GGAACCTGGCTTCTGTGGTGGCTCTGTGAGGCATCAGATTCACTGGGATTTGACCTGA 839
Qy      757 CACCGGGGAATCTGGGCTGGCTGCTCACTTCTCTTCCAGCTCAGAGAAAGCTACAA 816
Db      840 CACCGGGGAATCTGGGCTGGCTGCTCACTTCTCTTCCAGCTCAGAGAAAGCTACAA 899
Qy      817 CTTTCAAGAACGCACTCACTGTGTGGAGCAACCGGGGTGTGAGGCCCGCACTTGTCAA 876
Db      900 CTTTCAAGAACGCACTCACTGTGTGGAGCAACCGGGGTGTGAGGCCCGCACTTGTCAA 959
Qy      877 GCTCTATGGAATCCGCTTGCACATCTCTGTACCGGGAGGAGGAAAGTTGGGCTCAT 936
Db      960 GCTCTATGGAATCCGCTTGCACATCTCTGTACCGGGAGGAGGAAAGTTGGGCTCAT 1019
Qy      937 CCCGAGGCGCGGTACACTGGGCAACCGGGGAGCTTGGCTGGGCTGTCACTTTTTCG 996
Db      1020 CCCGAGGCGCGGTACACTGGGCAACCGGGGAGCTTGGCTGGGCTGTCACTTTTTCG 1079
Qy      997 TGAACCTGCTACTGCTATGTGATGAGAAAGCCATTCTACTGGAGCAAAAGTATGA 1056
Db      1080 TGAACCTGCTACTGCTATGTGATGAGAAAGCCATTCTACTGGAGCAAAAGTATGA 1139
Qy      1057 GGAAGCCCAAGGCCCCGAAAGCAACCGCAACTGTGTGTGGAGGAGCTGGCCCTTGATC 1116
Db      1140 GGAAGCCCAAGGCCCCGAAAGCAACCGCAACTGTGTGTGGAGGAGCTGGCCCTTGATC 1199
Qy      1117 CCAAGGCCCACTGGCGGAGTGGCTCTCAGACGGAGACTCAGCACTCGACCCAGGCCACTGC 1176
Db      1200 CCAAGGCCCACTGGCGGAGTGGCTCTCAGACGGAGACTCAGCACTCGACCCAGGCCACTGC 1259
Qy      1177 TGCCTGGAGTCAAGACACAGACCAAGAGTGGCCCTGTCCAAAGTTCTGACACCCACTTGCC 1236
Db      1260 TGCCTGGAGTCAAGACACAGACCAAGAGTGGCCCTGTCCAAAGTTCTGACACCCACTTGCC 1319
Qy      1237 AACCCATTCCGGAGGCTGTAGCCGTTCCCTGTGTGTTGAGAGTTGGGGCTTGGAGGG 1296
Db      1320 AACCCATTCCGGAGGCTGTAGCCGTTCCCTGTGTGTTGAGAGTTGGGGCTTGGAGGG 1379
Qy      1297 CGGGGCGCTGCTGGGGATCTCAAGATGAGGCCCAAGCACTGAGAGATTGGGGTGTGAAT 1356
Db      1380 CGGGGCGCTGCTGGGGATTTTCAAGATGAGGCCCAAGCACTGAGAGATTGGGGTGTGAAT 1439
Qy      1357 TCCACCTTGAACCCCAAGCAGTCCCTCCCTGTGACTCCCACTTGGTGGAGGATCTGC 1416
Db      1440 TCCACCTTGAACCCCAAGCAGTCCCTCCCTGTGACTCCCACTTGGTGGAGGATCTGC 1499
Qy      1417 CTCAGGAGCCATGAGATGCGCTGTGTTTGAAGCGGCAAGAACTGACCCCTGAG 1476
Db      1500 CTCAGGAGCCATGAGATGCGCTGTGTTTGAAGCGGCAAGAACTGACCCCTGAG 1559
Qy      1477 ACTGGGAGAGCCCAAGAGGCACTGTATTTGCAAGGCTTCGACTGTCATGTGGAGGGCTTC 1536
Db      1560 ACTGGGAGAGCCCAAGAGGCACTGTATTTGCAAGGCTTCGACTGTCATGTGGAGGGCTTC 1619
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Qy      1537 CTGCTGCGTCTGGGCGCTGGAGGCTCTCTCCAGTGTCTGTGCCAGTGTTCCTAGAG 1596
Db      1620 CTGCTGCGTCTGGGCGCTGGAGGCTCTCTCCAGTGTCTGTGCCAGTGTTCCTAGAG 1679
Qy      1597 AGGTATGCTTACCAAGCTG 1614
Db      1680 AGGTATGCTTACCAAGCTG 1697

RESULT 2
US-09-191-136-30
; Sequence 30, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; FILE REFERENCE: And Use Thereof
; FILE REFERENCE: 6293 US, P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PaeSeq for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequencing Primer (polynucleotide)
US-09-191-136-30

Query Match      43.2%; Score 1162.4; DB 3; Length 1360;
Best Local Similarity 99.9%; Pred. No. 1,1e-288;
Matches 1163; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      97 GTGGGCTCTCTGCGCAAAAAGGCTACAGAGAGCGGACCTGGAACCCCAAGTTTTCAT 156
Db      180 GTGGGCGCTCTCGCCAAAAGGCTACAGAGAGCGGACCTGGAACCCCAAGTTTTCAT 239
Qy      157 CATCACCAAACTCAAAAGGGGTTTCGTCATCATGATCAAGAGACTTGGAAACCGGCTGTG 216
Db      240 CATCACCAAACTCAAAAGGGGTTTCGTCATCATGATCAAGAGACTTGGAAACCGGCTGTG 299
Qy      217 GGAATGAGCGCACTTCGTGAAGCAACCTCAGGAGAGAAAGTGTCTTGTGGTGAACCA 276
Db      300 GGAATGAGCGCACTTCGTGAAGCAACCTCAGGAGAGAAAGTGTCTTGTGGTGAACCA 359
Qy      277 CTTTCTTGTGACGCCAAGCCCAAGTTCAAGGAGATGCCCAAGCAACCCGTCGTCCTCACT 336
Db      360 CTTTCTTGTGACGCCAAGCCCAAGTTCAAGGAGATGCCCAAGCAACCCGTCGTCCTCACT 419
Qy      337 GGCTAACTGCTGGGTGTCAGAGAGATGCTGCCGCAAGGAGGAGGACACACAGCCACGG 396
Db      420 GGCTAACTGCTGGGTGTCAGAGAGATGCTGCCGCAAGGAGGAGGACACACAGCCACGG 479
Qy      397 TGTAAAAACAGGCCAGTGTGTGTGTTCAATGAGGCCCAAGACCTGTGAGATCTGGAG 456
Db      480 TGTAAAAACAGGCCAGTGTGTGTGTTCAATGAGGCCCAAGACCTGTGAGATCTGGAG 539
Qy      457 TTGGTCCCAAGTGGAGATGGCGTTTGCCCTCGAAGCCCTGTGGCCAGGCCCAAGAA 516
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Db      540 TTGGTGCCAGTAGAGAGTGCGCTGTGCTCGAGGCGCCCTGCTGAGCCAGGAA 599
Qy      517 |CTTACACCTGTTTCATCAAAAACACAGTCACTTACAGAACTTCACTTCTTAAGTCAA 576
Db      600 |CTTACACCTGTTTCATCAAAAACACAGTCACTTACAGAACTTCACTTCTTAAGTCAA 659
Qy      577 |TGCCTTGAAGACCTGGAGCCCACTATTTTAAAGCACTGCGCATGTAACACAACTTCA 636
Db      660 |TGCCTTGAAGACCTGGAGCCCACTATTTTAAAGCACTGCGCATGTAACACAACTTCA 719
Qy      637 |CCCCCTACTGCTCCGTTGTCGCACTTGGGAGCACTGCGGCAAGGCTGAGGAGCTTTGA 696
Db      720 |CCCCCTACTGCTCCGTTGTCGCACTTGGGAGCACTGCGGCAAGGCTGAGGAGCTTTGA 779
Qy      697 |GGACCTGCGCTTGTGGGTGGCTGTAGGATAGAGTTTCACTGGGATTTGTAAGTGA 756
Db      780 |GGACCTGCGCTTGTGGGTGGCTGTAGGATAGAGTTTCACTGGGATTTGTAAGTGA 839
Qy      757 |CACCAGGAGACTGTGGCTGTGGCTCACTACTCTTCCAGCTGAGAGAAAGACTTCAA 816
Db      840 |CACCAGGAGACTGTGGCTGTGGCTCACTACTCTTCCAGCTGAGAGAAAGACTTCAA 899
Qy      817 |CTTACAGACAGCCCACTCACTGTTGGAGCAACCGGATGTGGAGCCCGCACTTGTCAA 876
Db      900 |CTTACAGACAGCCCACTCACTGTTGGAGCAACCGGATGTGGAGCCCGCACTTGTCAA 959
Qy      877 |GCTCTATGGAATCCGCTTCCACATCTCTGTGACACCGGAGAGGAGGAAAGTTGGGCTCAT 936
Db      960 |GCTCTATGGAATCCGCTTCCACATCTCTGTGACACCGGAGAGGAGGAAAGTTGGGCTCAT 1019
Qy      937 |CCCCAGGCGGTGACACTGAGGAGCAACGGGAGAGCTTGGGAGGCTTGTGACCTTTTCTG 996
Db      1020 |CCCCAGGCGGTGACACTGAGGAGCAACGGGAGAGCTTGGGAGGCTTGTGACCTTTTCTG 1079
Qy      997 |TGACCTGCTACTGTGTATGTAGTAGAAGAACCATTTCTTACTGAGAGCAAAAGTATGA 1056
Db      1080 |TGACCTGCTACTGTGTATGTAGTAGAAGAACCATTTCTTACTGAGAGCAAAAGTATGA 1139
Qy      1057 |GGAGGCGCAAGGCGCCGAAAGCAACCGCAACTCTGTGTGGAGGAGGCTGGCCCTTGCATC 1116
Db      1140 |GGAGGCGCAAGGCGCCGAAAGCAACCGCAACTCTGTGTGGAGGAGGCTGGCCCTTGCATC 1199
Qy      1117 |CGAAGCCGAGCTGCGCGAGTCCCTCAGACGAGGCTCAGACCTGCAACCAAGGCACTGAC 1176
Db      1200 |CGAAGCCGAGCTGCGCGAGTCCCTCAGACGAGGCTCAGACCTGCAACCAAGGCACTGAC 1259
Qy      1177 |TGCTGGAGTCAAGACAGACACCAAGATGAGCCCTGTCCAAAGTTCTGACACCACTTGCC 1236
Db      1260 |TGCTGGAGTCAAGACAGACACCAAGATGAGCCCTGTCCAAAGTTCTGACACCACTTGCC 1319
Qy      1237 |AACCATTCCGGAGGAGCTGTAGCC 1260
Db      1320 |AACCATTCCGGAGGAGCTGTAGCC 1343

RESULT 3
US-09-381-681-1
; Sequence 1, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: 055876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1293
; TYPE: DNA
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; ORGANISM: Human
US-09-381-681-1
Query Match      42.9%; Score 1155.8; DB 3; Length 1293;
Best Local Similarity 99.8%; Pred. No. 5,3e-287;
Matches 1157; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db      135 |GTGGGCGCTCTGCGCAAAAAGGCTTACAGAGCGGGAGCTTGAAGCCAGTTTTCAT 194
Qy      157 |CATACCAAACTCAAAAGGGTTTCCGTACTCAATCAAGAGCTTGAAGCCGCTGTG 216
Db      195 |CATACCAAACTCAAAAGGGTTTCCGTACTCAATCAAGAGCTTGAAGCCGCTGTG 254
Qy      217 |GATGTGGCGGACTTGTGTGAAGCACTCAGGAGAGAAAGTGTCTTCTTGTGACCAA 276
Db      255 |GATGTGGCGGACTTGTGTGAAGCACTCAGGAGAGAAAGTGTCTTCTTGTGACCAA 314
Qy      277 |CTTCCCTGTAGAGCGCAAGCCCAAGTTTCAAGGAGATGCGCAGAGCAACCGTCCGACT 336
Db      315 |CTTCCCTGTAGAGCGCAAGCCCAAGTTTCAAGGAGATGCGCAGAGCAACCGTCCGACT 374
Qy      337 |GGCTAACCTGTGGGTGACAGAGACTGCCCCGAAGGGAGAGAGCAACACAGCAACG 396
Db      375 |GGCTAACCTGTGGGTGACAGAGACTGCCCCGAAGGGAGAGAGCAACACAGCAACG 434
Qy      397 |TGTAATAACAGGCGCAGTGTGTGTCAATGGGACCAACAGACCTGTAGATCTGGAG 456
Db      435 |TGTAATAACAGGCGCAGTGTGTGTCAATGGGACCAACAGACCTGTAGATCTGGAG 494
Qy      457 |TTGGTGCCCAAGTGGAGAGTGCGCGTGTGGCCCTGAGAGCCCTGTGGCCAGGCCAGAA 516
Db      495 |TTGGTGCCCAAGTGGAGAGTGCGCGTGTGGCCCTGAGAGCCCTGTGGCCAGGCCAGAA 554
Qy      517 |CTTACACTGTTCATCAAAAACACAGTCACTTACAGCAAGTTCACTTCTTAAGTCAA 576
Db      555 |CTTACACTGTTCATCAAAAACACAGTCACTTACAGCAAGTTCACTTCTTAAGTCAA 614
Qy      577 |TGCTTGAAGACTGGGAGCCCACTTATTTTAAAGCACTGCCGCTGTATACCAATTCAG 636
Db      615 |TGCTTGAAGACTGGGAGCCCACTTATTTTAAAGCACTGCCGCTGTATACCAATTCAG 674
Qy      637 |CCCCCTACTGCTCCGTTGTCGCACTTGGGAGCTCTGTGCGCAAGGCTGAGAGGAGCTTGA 696
Db      675 |CCCCCTACTGCTCCGTTGTCGCACTTGGGAGCTCTGTGCGCAAGGCTGAGAGGAGCTTGA 734
Qy      697 |GGAAGCTGAGTGTGGTGGGCTCTGAGGATCAGAGTTTCACTGGGATTTGTGACTTGA 756
Db      735 |GGAAGCTGAGTGTGGTGGGCTCTGAGGATCAGAGTTTCACTGGGATTTGTGACTTGA 794
Qy      757 |CACCAGGAGCTTGGCTGTGGCTTCACTCTCTTCCAGCTGAGAGAAAGACTTCAA 816
Db      795 |CACCAGGAGCTTGGCTGTGGCTTCACTCTCTTCCAGCTGAGAGAAAGACTTCAA 854
Qy      817 |CTTACAGACAGCCCACTCACTGTTGGAGCAACCGGAGTGGAGGCGCCGCAACCTGTCAA 876
Db      855 |CTTACAGACAGCCCACTCACTGTTGGAGCAACCGGAGTGGAGGCGCCGCAACCTGTCAA 914
Qy      877 |GCTCTATGGAATCCGCTTCCAGATCTCTGTACCCGAGGAGCAAGGAGTTGGGCTCAT 936
Db      915 |GCTCTATGGAATCCGCTTCCAGATCTCTGTACCCGAGGAGCAAGGAGTTGGGCTCAT 974
Qy      937 |CCCCAGGCGGTGACACTTGGGAGCCGAGGAGCTTGGGAGTGTACCTTTTCTG 996
Db      975 |CCCCAGGCGGTGACACTTGGGAGCCGAGGAGCTTGGGAGTGTACCTTTTCTG 1034
Qy      997 |TGACCTGCTACTGTGTATGTAGTAGAAGGCCATTTCTACTGAGAGCAAAAGTATGA 1056
Db      1035 |TGACCTGCTACTGTGTATGTAGTAGAAGGCCATTTCTACTGAGAGCAAAAGTATGA 1094
Qy      1057 |GGAGGCGCAAGGCGCCGAAAGCAACCGCAACTCTGTGTGAGAGGAGCTTGCATC 1116
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Db 1095 GGAGGCCAAGCCCGGAAAGCAACCGGCAACTGTGTGTGAGGAGTGGCCCTTGATC 1154
Qy 1117 CCAAGCCCGACTGGCGAGTGGCTCAGAGGAGTGCACCTTGACCCAGGCACTGC 1176
Db 1155 CCAAGCCCGACTGGCGAGTGGCTCAGAGGAGTGCACCTTGACCCAGGCACTGC 1214
Qy 1177 TGTGTGAGTGCAGACAGACACACAGATGGCCCTGTCCAAATTTCTGACACCACTTGCC 1236
Db 1215 TGTGTGAGTGCAGACAGACACACAGATGGCCCTGTCCAAATTTCTGACACCACTTGCC 1274
Qy 1237 AACCCATTCGGGAGCCTG 1255
Db 1275 AACCCATTCGGGAGCCTG 1293

RESULT 4

US-09-191-136-28
Sequence 28, Application US/09191136B
Patent No. 6214581
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Lynch, Kevin J.
APPLICANT: Burgard, Edward C.
APPLICANT: Van Biesen, T.
TITLE OF INVENTION: Nucleic Acids Encoding A Functional
TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
FILE REFERENCE: 6293-US-P1
CURRENT APPLICATION NUMBER: US/09/191,136B
CURRENT FILING DATE: 1998-11-13
EARLIER APPLICATION NUMBER: US 09/008,526
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 09/008,185
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,298
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,669
EARLIER FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 28
LENGTH: 396
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Sequencing Primer
US-09-191-136-28

Query Match 14.6%; Score 394.4; DB 3; Length 396;

Best Local Similarity 99.7%; Pred. No. 2e-91;

Matches 395; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 886 AATCCGCTTGCATCTGTGTCACCGGGACGAGGAAAGTTGGGCTCATCCCAAGGC 945
Db 1 AATCCGCTTGCATCTGTGTCACCGGGACGAGGAAAGTTGGGCTCATCCCAAGGC 60
Qy 946 CGTCACTGGGACCGGGGCACTTGTGTCACCTTTTCTGTGACCTGCT 1005
Db 61 CGTCACTGGGACCGGGGCACTTGTGTCACCTTTTCTGTGACCTGCT 120
Qy 1006 ACTGCTGTATGTGATAGAGAACCCATTTCTACTGAGAGCAAAAGTATGAGAGCCAA 1065
Db 121 ACTGCTGTATGTGATAGAGAACCCATTTCTACTGAGAGCAAAAGTATGAGAGCCAA 180
Qy 1066 GGGCCGAAAGCAACCGCAACTGTGTGAGAGGAGTGGCCCTTGCAATCCCAAGCCG 1125
Db 181 GGGCCGAAAGCAACCGCAACTGTGTGAGAGGAGTGGCCCTTGCAATCCCAAGCCG 240
Qy 1126 ACTGCGGAGTGCCTGAGACGAGACTCAGCACTTGACCCAGGCACTGCTGGAG 1185
Db 241 ACTGCGGAGTGCCTGAGACGAGACTCAGCACTTGACCCAGGCACTGCTGGAG 300
Qy 1186 TCAGACACAGACCAAGATGGCCCTGTCCAAATTTCTGACACCACTTGCAACCATTC 1245

Db 301 TCAGACACAGACCAAGATGGCCCTGTCCAAATTTCTGACACCACTTGCAACCATTC 360
Qy 1246 CCGGAGCTGTAGCCCTTCCCTGCTGTGAGAGTT 1281
Db 361 CCGGAGCTGTAGCCCTTCCCTGCTGTGAGAGTT 396

RESULT 5

US-09-949-016-367
Sequence 367, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 367
LENGTH: 1978
TYPE: DNA
ORGANISM: Human
US-09-949-016-367

Query Match 9.0%; Score 243.6; DB 4; Length 1978;

Best Local Similarity 58.3%; Pred. No. 2.8e-52;

Matches 501; Conservative 0; Mismatches 329; Indels 30; Gaps 3;

Qy 98 TGGGCTCTCCTGCGCCAAAGGCTACAGAGCGGACCTGGAAACCCAGTTTTCATC 157
Db 175 TGGGCTCTCCTGATTAAGAGGTTACCAAGACGTGACACCTCCCTGAGAGTCTGTC 234
Qy 158 ATCAACCAACTCAAGGGGTTTCCGTACTCAGATCAAGAGCTTGGAAACCGGCTGG 217
Db 235 ATCAACCAAGTCAAGGGGCTGCTTCAACCAACCTCCGATTTGGGCAAGGATCTGG 294
Qy 218 GATGCGCGGACCTGCTGAGGACCACTCAAGAGAGAAAGTCTTGTGGACCAAC 277
Db 295 GATGCGCGGACCTGCTGAGGACCACTCAAGAGAGAAAGTCTTGTGGACCAAC 354
Qy 278 TTCTGTGAGCGCAGGCCCAAGTTCAAGGACAGATGCCAGACCCGTCCTCCACTG 337
Db 355 CTGATGTGACCCCAACCAAGCGGCGAGAACGTCTGTGCTGAGATGAAAGCAATTCGAT 414
Qy 338 GCTAACTGCTGGTGCAGAGACTGCCCCGAAGGGAGAGGACACACAGCCAGGT 397
Db 415 GGGCGCTGCTCCAAAGACAGCACTGCAACGCTGGGGAAGCGGTTACACCTGGAACGGA 474
Qy 398 GTAAAAACAGGCGAGTGTGGTGTG--TTCAATGGGACCAAGGACCTGTGAGATCTGG 454
Db 475 GTAAAGACGGGCGGCTGCTGCGAGAGAGGAATTGGCCAGGGGACCTGTGAGATCTTT 534
Qy 455 AGTTGTGCGCAAGTGAAGTGGCGGTTGTGCTCCCTGAGGCGCCCTGTCGCGGCGCCAG 514
Db 535 GCGTGTGCGCGGTGAGACAAAGTCCAGGCGGAGAGCAATTCCTGAAGAGGCGCAAA 594
Qy 515 AACTTACACTGTTCATTAATAAACAAGTACCTTACAGCAATTCCTTAAAGTTC 574
Db 595 GACTTACCACTTTTCAATAAAGAACCAATCCGTTTCCCAAAATCAACTTCTC/AAAAC 654
Qy 575 AATGCTTGAAGACCGGAGCCCAACCTAATTTTAAGACATGCGGATGAACACCAATTC 634
Db 655 AATGTGATGAGATCAAGGACAGATCTTCTGAAATATGCAACTTGGCCCAAG--- 711

QY 635 AGCCCTACTGTCCCGTGTCCGATTGGGACCTCGTGGCCAAAGCTGTGAGGACCTTC 694
Db 712 AACCACTACTCCCGCATCTTCGACTGGCTCCATCGCCCTGGGCGGAGCGACTTC 771
QY 695 GAGGACCTGGGCTGCTGGGAGCTGTAGGACATCAAGTTCCTGGGATTGGACCTG 754
Db 772 CAGATATAGCCCTGCGGAGGCTGTATAGAAATTAATTAATGAGTAACCTGTATCTT 831
QY 755 GACACCGGGACTGTGGCTGTGGCTCTCACTCTTCCAGCTGACAGAGAA----- 809
Db 832 GATTAAGCTGCTGTGATGCGACCTCATATCTTTTAACTGCTGGACATTAATTT 891
QY 810 -----GTAACAATTGAGACAGCCACTCACTGGTGGAGCAACCG 850
Db 892 TCAAGTCTGTCTCTCCGCGTACAACTTCAGATTGGCCAGATATTAACGAGCGACGCC 951
QY 851 GGTTGGAGGCGCCGACCTGCTCAAGCTTATGGAATCCGCTTGCATCTCTGTCACC 910
Db 952 GGGGTGAGTTCGCCACCTGATGAAAGCTTACGGGATCGCTTTGAGTATGATGAAC 1011
QY 911 GGGCAGCGAGGAGATTGCG 930
Db 1012 GGCAAGGTGCTTCTTCTG 1031

RESULT 6

US-09-016-434-831

; Sequence 831, Application US/09016434

; Patent No. 6500938

; GENERAL INFORMATION:

; APPLICANT: Janice Au-Young

; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING

; TITLE OF INVENTION: PATHWAY GENE EXPRESSION

; NUMBER OF SEQUENCES: 1490

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE

; CITY: PALO ALTO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/016,434

; FILING DATE: HEREWITH

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Zeller, Karen J.

; REGISTRATION NUMBER: 37,071

; TELEPHONE: (650) 855-0555

; TELECOMMUNICATION INFORMATION:

; TELEFAX: (650) 845-4166

; INFORMATION FOR SEQ ID NO: 831:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1750 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: SCORNOT01

; CLONE: 555697

; US-09-016-434-831

Query Match 8.9%; Score 239.2; DB 4; Length 1750;
Best Local Similarity 56.3%; Pred. No. 3.6e-51;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
QY 152 TCCATCATCAACCAACTCAAGGGGTTCCGTACTCATGATCAAGAGCTTGAACCCG 211
Db 214 TCCGTTACGACCAAGGTCAAGGGCGTGTGACCAACTTCTTAAACCTTGGATTCCGG 273
QY 212 CTGGGAGATGGGCGGACTTGTGAAGCACTGTAGGAGAGACGTGTTCTTTGTTG 271
Db 274 ATCTGGATTTGGGCGGATTTATGATATCAAGCTGAGAGAAATCTCTTGTGATG 333
QY 272 ACCAATCTCTTGTAGCCAGCCAGGCAAGTTGAGGCGATGCCAGAGACCCCTCCGTC 331
Db 334 ACCAAGGTATCTTCACTCATGAAACCAAGACAGGCGTGTGCCGAGATTCC--CGAT 390
QY 332 CCACTGGCTAATCTGTGGGTGACAGAGACTGCCCAAGGGGAGGAGCAGACAGC 391
Db 391 GCGACCACTGTGTGTAATCAGATGCGAGCTGTACTGCCGCTGTCCGACCCAGCAGC 450
QY 392 CAGGTGTAATAAAGAGCCAGTGTGTGTGTAATGAGACCCAGAGACTGTGATC 451
Db 451 AACGAGTCTCAACAGGCGAGTGTGATGCTTCAAGGCTCCGACAGAGCTGTAGGTG 510
QY 452 TGGAGTTGTGCCAGTGTAGAGTGC---GTTGTGCCCTGAGAGGCCCTGCTGCCAG 508
Db 511 GCGGCTGTGTGCCGAGTGTAGAGATGACACAGCTGCAACCTGTTTAAAGCT 570
QY 509 GCCCAAGCTTCACTGTTTATCAAAAACAGCTCACTTCAAGCAAGTTCACTTCT 568
Db 571 GCAGAAAATCTTACTCTTTGTTTAAAGAACATCTGTATCCCAATTTAAATTTGACG 630
QY 569 AAGTCCAAATGCTTGGAGACTGGAGCCCACTATTTAAGACGTCGCTATGAACA 628
Db 631 AAGAGATATCTTCCCAATCACCACATCACTTCAAGTGTGATTTAAGTCT 690
QY 629 CAATTCAGCCCTACTGTCCGTTTCCGATTGGGAGCTGTCGCAAGCTGAGG 688
Db 691 AAAACAGATCCCTTCTGCCCCATATTCCTGTGGCAAAATATGAGGAAGCAGAC 750
QY 689 ACCTTGAGGACCTGCGCTGTGGTGTCTGTAGCATCAGAGTTCACTGGATTGT 748
Db 751 AGTTCCAGGACATGCGCGTGGAGGAGCATATGGGATCCAGGTCACTGGGACTGC 810
QY 749 GACCTGACACCGGAGCTGTGCTGTGGCTTCACTATCTTCCACGTGACAGAGA-- 806
Db 811 AACCTGACAGAGCGCTCTCTGTGCTTGGCCAGGATACCTTCCGCCCTCGATCA 870
QY 807 -----AGAGCTACAATTGAGGACAGCCACTGCTG 841
Db 871 CGGAGCTTGAACACAACTATCTCTGCTTCAAAATTTGAGGTTTGGCAATCTACAGA 930
QY 842 GAGCAACCGGATGTGAGGCGGACCTGCTCAAGCTTATGAAATCCGTTGACATC 901
Db 931 GACTGTGCTGCAACAGAGCAGCGCAGCTCATAGGCTATGATGCAATCCGCTTCAATC 990
QY 902 CTGTACCGGCGAGGAGGAACTTGGGCTATCCCAAGCGGCTGACACTGGGAC 961
Db 991 ATTGTGTTGGGAGGAGGAAATTTGACATATCCCATATGATGACATCGGCTCT 1050
QY 962 GGGGCACTTGGCTGGGCGGTACACTTTTCTGTGACCTGTACTGCTGTATGTGAT 1021
Db 1051 GCGCTGCACTGCTAGGAGGAGGACCGTGTCTGTGACATCATAGTCTTACTGATG 1110
QY 1022 AGAAGAGCCATTCTTACTGAGAGACAAAGTATGAGAGG 1061
Db 1111 AAGAAAAGACTTACTATCGGAGAGAAATATTAATATG 1150

RESULT 7

US-08-742-621-2

; Sequence 2, Application US/08742621

; Patent No. 5856129

GENERAL INFORMATION:
APPLICANT: HILLMAN, JENNIFER L.
APPLICANT: COLEMAN, ROGER
TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1762 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
LIBRARY:
IMMEDIATE SOURCE:
CLONE: CONSENSUS
US-08-742-621-2

Query Match 8.9%; Score 239.2; DB 2; Length 1762;
Best Local Similarity 56.3%; Pred. No. 3,6e-51;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

QY 152 TCCATCATCAACCAACTCAAGAGGGCTTCCGTCACTCAAGTCAAGAGCTTGAAACCGG 211
DB 214 TCCGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACCTTCTAAACTTGGATTCCGG 273
QY 212 CTGTGGGATGTGGCCGACTTCTGTGAAGCACTCAGGAGAGAAAGTGTCTTCTTGATG 271
DB 274 ATCTGGAGTGTGGCGGATTATATGATACCAAGTCAAGAGAAATCCCTCTTCCGATG 333
QY 272 ACCAATCTCTTGTGACGCCAGCCCAAGTTCAAGGAGATGCCCCAGAGCAACCCGTCGTC 331
DB 334 ACCAAGTATCTCTACCATGAACACAGACAGAGGCGCTGCGCCGAGATTCC---CAGAT 390
QY 332 CCACTGGCTAACTGCTGGGTCCGACGAGACTGCCCCGGAAGGGAGAGGAGGACACACAGC 391
DB 391 GCGACCACTGTGTGAATCAATGCACTGTAATGCGGGCTCTCCGCGACCCACACAGC 450
QY 392 CAGGTGTAAAAACAGGCCAGTGTGTGTTCAATGGGACCCACAGAGACTGTGAGATC 451
DB 451 AACGAGTCTCAACAGGCAAGTGTGCTGATGCTTCAACGGGTCCCTCAAGAGTGTGAGTG 510
QY 452 TGGAGTTGTGCCACTGTGAGAGTGGC--GTTGTCCCTCGAGGGCCCTGCTGCCAG 508
DB 511 GCGGCTGTGTGCGCGGTGAGAGTGAACACAGTGCACCAACTGCTTTTAAAGGCT 570
QY 509 GCCCAAGACTTCACTAGTTCATCAAAAACAGAGTCAACCTTACGAAAGTTCAACTCTCT 568
DB 571 GCGAAAACTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAAATTAATTTCAGC 630

QY 569 AAGTCCATGCTTGGAGACTGGAGACCCCACTATTATTAACACTGCCATATATATCA 678
DB 631 AAGAGAAATATCTTCCCAACATCAACACTACTTACCTCAACGTGTGATTATGATGCT 690
QY 629 CAATTAGCCCTTACTGTCTCCGTGTTCCGATTGGGAGACTGTGCGCAAGCTGAGGG 688
DB 691 AAAACAGATCTTGTGCCCCATATTTCCCTTTGGCAAAATGTGAGAAACGACAGACAC 750
QY 689 ACCTTGAGACCTGCGCTTGGGTGGGTGCTGTAGCATCAGATTCTACTGGATTGT 748
DB 751 AGTTTCAGAGATAGCCCTGAGAGGAGCATATGGCATTCAGTCAACTGAGACTGC 810
QY 749 GACCTTGACACCGGAGACTCTGAGCTGGCCTCACTACTCTCTCCAGCTGAGAGA-- 806
DB 811 AACTTGACAGAGCGCGCTCCCTGCTGCTGCGCAGTACTCTCCGCCGCTTCAATACA 870
QY 807 -----AGACTTCMACTTGAAGACGCCACTCACTGGTG 841
DB 871 CGGAGCTTGAGACACACATATCTCTGCTGCTCAATTTGAGGTTTGCMAAGTACTATGA 930
QY 842 GAGCAACGGGATGTGAGGCGCCGACCCCTGCTAAGCTCTATGAAATCCGCTTCAATATC 901
DB 931 GACTTGCTGGCAAGACGAGCGACGCTCATTAAGGCTTATGAGCTTCCATCAATTC 940
QY 902 CTGCTCACCGGACGAGCAAGGAATTCGGGCTCATCCCAACGACCTTGTGAGTACC 911
DB 991 ATTGTGTTGGGAAGGACGAGAAATTTGATCATATCCCATATGATCAACATTCGCTCT 1050
QY 962 GGGGACGCTTGGCTGGGCTGTACACTTTTCTGTGACCTGCTACTGCTGATATGAT 1021
DB 1051 GGCCTGGCACTCTAGGACATGGCAGACCGTGTGTGATCATATGATGCTCTACTGCA 1110
QY 1022 AGAAGACCCATTTCTACTGAGAGCAAAATGATGAGAG 1061
DB 1111 AAGAAAAGCTCTACTATGGGAGAAATATATATATG 1150

RESULT 8
US-09-191-608-21
Sequence 21, Application US/09191608
Patent No. 6242216
GENERAL INFORMATION:
APPLICANT: Lynch, Kevin J.
APPLICANT: Burgard, Edward C.
APPLICANT: Metzger, Randy E.
APPLICANT: Niforatos, Wende
APPLICANT: Touma, Edward B.
TITLE OF INVENTION: Nucleic Acids Encoding a Functional
TITLE OF INVENTION: Human Purinoceptor P2X2 and P2X4 And Methods of Production
FILE REFERENCE: 6394.US.P1
CURRENT APPLICATION NUMBER: US/09/191,608
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq For Windows Version 3.0
SEQ ID NO 21
LENGTH: 1206
TYPE: DNA
ORGANISM: Homo sapiens
US-09-191-608-21

Query Match 8.8%; Score 237.6; DB 3; Length 1206;
Best Local Similarity 56.2%; Pred. No. 7.7e-51;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCCATCATCAACCAACTCAAGAGGGTTTCCGTCACTCAAGTCAAGAGCTTGAAACCGG 211
DB 207 TCCGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACACTTCTAAACTTGGATTCCGG 266
QY 212 CTGTGGATGTGCGCGACTTCTGTGAAGCACTCAAGGAGAAAGCTGTTCTTCTGATG 271

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Db      267 ATCTGGAGTGTGCGGATTAATGTATACAGCTCAGGAGGAAAACTCCCTCTTCGTATG 326
Qy      272 ACCAATCTCTTGTGAGCCAGCCAGTTGAGGGCAGATGCCCCAGACACCCCTCCGTC 331
Db      327 ACCAATCTCTTGTGAGCCAGCCAGTTGAGGGCAGATGCCCCAGATTC---CAGAT 383
Qy      332 CCACTGGCTAACTGCTGGGTGACGAGAACTGCCCCAGAGGGAGGAGGACACACAGC 391
Db      384 GCGACCACTGTGTATAATCAGATGCGAGCTGTACTGCGGCTCTGCCGCGACCCACAGC 443
Qy      392 CAGGTGTAAAAACAGGCGAGTGTGTGTGTTCAATGAGAACCAAGACCTGTGATC 451
Db      444 AACGAGATCTCAACAGGCGAGTGTGTGTGTTCAACGGGTCCGTCAGAGACGTGTGAGTG 503
Qy      452 TGGAGTGTGTGCGGAGGAGAGTGC---CTTGTGCTCTGAGAGCCCTCTGCTGCCAG 508
Db      504 GCGGCTGTGTGCGGAGGAGATGACACACAGTGCACAACTGCTTTTAAAGGCT 563
Qy      509 GCCCAGAACTTCACTGTTTCATCAAAAAACAGTCACTTCAGCAAGTTCACTTCT 568
Db      564 GCAGAAAATCTCACTCTTTTGTGTAAAGACACATCTGTATCCCAATTTAATTTACG 623
Qy      569 AAGTCAATGCTTGTGAGACCTGGACCCCACTTATTTAAGACTGCGCTATGAACA 628
Db      624 AAGAGAAATCTCTCCCAACATGACCACTTACCTCAAGTGTGATTTATGATGCT 683
Qy      629 CAATTCAGCCCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 688
Db      684 AAAACAGATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 743
Qy      689 ACCTTCAGGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 748
Db      744 GCTTTCAGAGACATGCGCTGTGAGGAGGACATCATGAGCATCTCAGGTCACTGAGACTGC 803
Qy      749 GACCTGACACCGGGGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 806
Db      804 AACCTGACAGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 863
Qy      807 -----AGAGTCAAACTTCAGAGACGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 841
Db      864 CCGGACCTTGAGCAAAAGTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 923
Qy      842 GAGCAACCGGCTGTGAGGCGCGGACCTGCTCAAGCTTATGGAATCCGTTGACATC 901
Db      924 GACTGTGCTGCAAGAGACGACGCACTCATCAAGGCTTATGAGCATCCGTTGACATC 983
Qy      902 CTCGTACCGGCGAGGAGGAGGAGTTCGGCTCATCCCAAGCGGCTGACACTGGGACCC 961
Db      984 ATTGTGTTGGAGGAGGAGGAGGAGTTCGATCATCCCACTATGATCAATCGGCTCT 1043
Qy      962 GGGGCACTGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 1021
Db      1044 GGGCTGCACTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1103
Qy      1022 AGAGAGCCCACTTCTCTGAGAGCAAAAGTATGAGGAG 1061
Db      1104 AAGAAAAGACTTACTATCGGAGAAAGAAATTAATATG 1143

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RESULT 9
US-09-949-016-3548
; Sequence 3548, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

```

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; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3548
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3548
Query Match      8.8%; Score 237.6; DB 4; Length 1389;
Best Local Similarity 56.2%; Pred. No. 8.3e-51;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

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Qy      152 TCCATATCAACCAAACTCAAAAGGCTTCCGTCACTCATGATCAAGAGCTTGGAAACCG 211
Db      214 TCCGTTACGACCAAGGCTCAAGGCGTGTGATGCAAACTTCTAAACTTGTGATTCGG 273
Qy      212 CTGTGGGATGTGGCCGACTTGTGAAGCGACCTCAGGAGAGAACGTTCTTCTGTG 271
Db      274 ATCTGGATGTGGCGGATTAATGTATACAGCTCAGAGAGAAATCTCTTCTGTATG 333
Qy      272 ACCAATCTCTTGTGACGCGGACCCAGTTCAGGCGAGATGCGGACGACCCGTCGTC 331
Db      334 ACCAAGTATCTCTCACTCACTCAAGAACAGACAGAGGCTGTGCCCGAGATTC---CAGAT 390
Qy      332 CAATGCTTACTGTGTGTGACAGAGACTGCCCCAGAGGGAGGAGGACACACAGC 391
Db      391 GCGACCACTGTGTAAATCAGATGCGAGCTTACTCCGGCTCTGCGCACCCACAGC 450
Qy      392 CAGGTGTAAAAACGCGGACGCTGTGTGTGTTCAATGAGAACCAAGACCTGTGATC 451
Db      451 AACGAGTCTCAACAGGAGGAGTGTGCTTCAACGGGTGTGTAAGACGTGTGAGTG 510
Qy      452 TGGAGTGTGTGCGGAGGAGAGTGC---GTTGTGCTCTGAGGCGGCTGCTGCGCCAG 508
Db      511 GCGGCTGTGTGCGGAGGAGGAGTGTGACACACAGTGTGACAACTGCTTTTAAAGGCT 570
Qy      509 GCCCAGAACTTCACTGTTTCATCAAAACAGTCACTTCAGCAAGTTCACTTCT 568
Db      571 GCAGAAAATCTCACTCTTTTGTAAAGAACATCTGTATCCCAATTTAATTTGAGC 630
Qy      569 AAGTCAATGCTTGTGAGACCTGGAGCCCACTATTTAAGACTGCGGCTATGACCA 628
Db      631 AAGAGAAATCTCTCCCAACATCACACATTAATCTCAAGTGTGATTTATGATGCT 690
Qy      629 CAATTCAGCCCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 688
Db      691 AAAACAGATCTCTTCTGCGGATATTCGCTTGTGCAAAATATGTGAGAACGACGACAC 750
Qy      689 ACCTTCAGGACCTGCGGCTGTGTGTGCTGTGTGAGCATCAGAGTTCACTGGATGT 748
Db      751 AGTTTCAGAGACATGCGCTGTGAGGAGGAGCATATGAGGATCCAGGTCACTGGAGCTG 810
Qy      749 GACCTGACACCGGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 806
Db      811 AACCTGACAGAGCGGCTCTCTCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 870
Qy      807 -----AGAGTCAAACTTCAAGACGACGACTGCTGCTG 841
Db      871 CCGGACCTTGAGCAAAAGTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 930
Qy      842 GAGCAACCGGCTGTGAGGCGCGGACCTGCTCAAGCTTATGAGATCCGTTGACATC 901
Db      931 GACTGTGCTGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 990
Qy      902 CTCGTACCGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 961
Db      991 ATTGTGTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1050
Qy      962 GGGGCACTTGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 1021

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Db 1051 GGCCTGCACTGCTAGGACATGGCGACCTGCTGTGATCATCATAGTCTTACTGCATG 1110
Qy 1022 AGAAGAGCCATTCTTACTGAGAGACAAAGTATGAGAGG 1061
Db 1111 AGAAGAGACTTACTTATCGGAGAGAAATATTAATATG 1150

RESULT 10
US-09-949-016-4136
Sequence 4136, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4136
LENGTH: 2597
TYPE: DNA
ORGANISM: Human
US-09-949-016-4136

Query Match 8.7%; Score 233.4; DB 4; Length 2597;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

Qy 164 AAATCAAGGGGTTTCCTGCTACTCAGATCAAGAGCTTGAACCCGGCTGTGGATGTG 223
Db 376 AAATCAAGGGGCTGGCCGTGACCCAGCTCCTGCTCGGCCCCCGAGTGTG 435
Qy 224 GCGGACTTCTGTAAGCACTCAGGAGAGAACTGTCTTCTTGGAGCACTTCTT 283
Db 436 GCTGACTACGCTTCCAGCCAGGGGAGCAACTCTTCTGTCATGACCAATTCATC 495
Qy 284 GTGAGCCAGCCCAAGTTTCAGGAGAGTGGCCAGAGACCCGTCCTCCAGTGGCTAC 343
Db 496 GTGAGCCAGGAGAGACTCAAGGCTACTGCGCAGAGACCC-----AGAAGGGGCTA 549
Qy 344 TGCTGGTCTAGTAGAGCTGCCCCGAAGGAGGAGGCAACACAGCCAGGTAA 403
Db 550 TGCAGGAGAGAGAGTGGCTGTACCCCTGGGAGGCCAAGAGAGGCCCAAGGCATCCG 609
Qy 404 ACAGGCGAGTGTGTGGTTCATGAGGAGCCCAAGAGCCCTGTAGATCTGAGTGTG 463
Db 610 ACAGGCGAGTGTGTGGTTCATGAGGAGCCCTGTAGATCTTGTGCTGTG 669
Qy 464 CCAAGGAGAGTGGCTGTGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTG 520
Db 670 CCGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGG 729
Qy 521 ACACTGTTCATCAAAAACAGAGTACCTTCAAGCAAGTTCATCTTAAGTCAATGCC 580
Db 730 ACTCTTTTCAAAAGACAGATAGCTTTCACAGCTTCAAGGTCAACAGGCGCAACCTG 789
Qy 581 TTGGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGCTATGACACCAATTCAGGCC 640
Db 790 GTGGAGAGGTGATGTGCTGCCACATGAAACCTGCTTTTCAAGAGACCTGACCC 849
Qy 641 TACTGTCCTGTTTCTGAGTGTGGGACCTGTGGCCAAAGCTGAGGAGCTTCAAGAG 700
Db 850 CTGTGCGCAATTTTCAAGCTTGTGCTGAGTGTGTAAGAGTCAAGGCCAAGTTCAGACC 909
Qy 701 CTGGCGTGTGAGTGTGCTGTAGGCAACAGATTCACTGGGATGTGACTGGACACC 760

Db 910 CTGGCTGAGAGAGGTGAGAGTGTGTCATCAGCATGAGTGTGATGACCTGAGCTTGG 969
Qy 761 GGGAGACTGTGCTGCTGCTGCTTCACTACTCTTCCAGAGTGTGAGAGAGAG----- 809
Db 970 CAGTGAAGGCACTGTGAGAGCCATCTATGAGTTCATGAGGCTGTACAGAGAAATCTC 1029
Qy 810 -----GCTAACACTTCAAGACAGCACTCACTGAGTGGAGCAACCGGCTGTGAGCC 862
Db 1030 TCCCGAGGCTTCACTTCAAGTGTGAGGAGCTTGTGAGAGAG-----GAGACCAATTC 1086
Qy 863 CGCAGCTTCTCAAGCTTATGAAATCCGTTTGCATCTCTGTACCCGGTCAAGGAGG 922
Db 1087 CGTCACTTCTCAAGGAGTGTGGAGATCCGTTTGCATCTGAGTGTGAGAGGAGGCGG 1146
Qy 923 AGTTGGGCTCATCCCGACAGCCGCTGACATGAGGAGAGGAGGAGGAGGAGGAGG 982
Db 1147 AGTTGAGATCATCTTCAATGAGACCAATGAGGAGGAGGAGGAGGAGGAGGAGG 1206
Qy 983 GTCACTTTTCTGAGCTGCTGCTGATGATGATGAGAGAGCCATTTCTTGTGAGTGG 1042
Db 1207 GCGAGAGTCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1266
Qy 1043 AGGACAAAGTATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1069
Db 1267 CAGAGAGAGTCAAAATATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1293

RESULT 11

US-08-750-134A-10
Sequence 10, Application US/08750134A

Patent No. 5985603

GENERAL INFORMATION:

APPLICANT: VALERA, SOLEDAD

TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESSES:

ADDRESSEE: NIXON & VANDERHAYE P. C.

STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON

STATE: VIRGINIA

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/750,134A

FILING DATE: 22-JAN-1997

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: CRAWFORD, ARTHUR C.

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 1430-116

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4006

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 2643 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

US-08-750-134A-10

Query Match 8.7%; Score 233.4; DB 2; Length 2643;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

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QY 164 AAATCAAGGGGTTTCCGTCATCAGATCAAGAGCTTGGAACCGGCTGTGGATGTG 223
D 375 AAATCAAGGGCCGCGTGACAGCTCCCTGCGCCCGCCAGGTGTGGAGTGTG 434
QY 224 GCGGACTTCTGAAAGCACTCAGGAGAGAACTGTTCTTTGTTGACCACTTCCTT 283
D 435 GCTGACTACGTCCTCCAGCCAGGAGGACAACTCCCTGTCATGACCAATTCATC 494
QY 284 GTGACCGCAGCCCAAGTTCAAGGGGAGATGCCAGAGACCCGTCGCTCCGCTGCTAAC 343
D 495 GTGACCCGGAAGCAGACTCAAGGCTACTGCGCAGAGACCC-----AGAGGGGGCACTA 548
QY 344 TGTGAGTCGACGAGACTGCGCCGAAGGGAGGAGGACACACAGCAAGTGTAAAA 403
D 549 TGCAGGAAGAAGATGCTGTATACCCCTGGGAAGCCCAAGGAAGCCCAAGGATCCGC 608
QY 404 ACAGCCAGTGTGTGTGTTTCAATGGAACCCACAGAACTGTGATCTGAGTTGTGTC 463
D 609 ACCGGCAAGTGTGTGCTTCAACGACATGTGAAGAGTGTGATCTTTGGCTGGTGC 668
QY 464 CCAGTGAGAGTGTGCTTGTGCTGAGGC---CCCTGCTGCGCCAGGCCCAACTTC 520
D 669 CCGTGAAGGTGATGACGACATCCGCGCTGCTGCTTCCGAGAGCCGAAACTTC 728
QY 521 ACACTGTTCAACAAAAACAGTCACTTCAAGAGTTCACTTCTTAAGTCCATGCC 580
D 729 ACTCTTTCAACAAAGAACAGATCAGCTTTCCAGCTTCAAGTCAACAGCGCAACTG 788
QY 581 TTGAGACCTGGGACCCCACTATTTTAAGACTGCGGCTATGAACCAATTCAGCCCC 640
D 789 GTGAGAGAGGTGAATGCTGCCCAATGAAAGACTGCTCTTTCACAAAGACCTGCACCC 848
QY 641 TACTGTCCCGTTCCCGCATTTGGGACTGCTGTGCGCAAGGTGAGGAGCCTTGAGAGC 700
D 849 CTGTGCCAGCTTCACAGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 908
QY 701 CTGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 760
D 909 CTGCGCTGAGAAAGGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 968
QY 761 GGGGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 809
D 969 CAGTACGAGGACTGCAAGCCATCTATGAGTTCCATGGGCTGTGCAAGAAAAATCTC 1028
QY 810 -----GTTACCACTTCAGAGACGCACTCAGTGTGAGGAGCAACCGGCTGTGAGGCC 862
D 1029 TCCCGAGGCTTCAACTTCAGGTTTGGCAGGACCTTGTGAGAAC---GGACCAACTTC 1085
QY 863 CGCACCTGCTCAAGCTCTATGAAATCCGCTTGCACATCTCTGACCGGGCAGGAGG 922
D 1086 GTCACCTCTTCAAGGCTTGTGAGTGTGCTTGCATCTCTGTGTGAGAGGAGGCGGG 1145
QY 923 AAGTTGGGCTCATCCCAAGCCGCTGACACTGTGGCAACCGGGGAGCTTGTGCTGGGCTG 982
D 1146 AAGTTGACATCATCTTCAATGACCACTCGCTGTGGAATTTGGGATCTTTGGGGTG 1205
QY 983 GTACCTTTTCTGTGACTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1042
D 1206 GCGACAGTCTCTGTGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1265
QY 1043 AGGACAAGTATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1069
D 1266 CAGAGAAAGTTCAAAATACGCTGAGGAC 1292

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RESULT 12
US-09-363-745-10
; Sequence 10, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)

```

```

; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/363,745
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/750,134
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4100
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2643 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-363-745-10
;
; Query March 8.7%; Score 233.4; DB 3; Length 2643;
; Best Local Similarity 56.7%; Pred. No. 14e-49;
; Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

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Db      849 CTGTGCCAGTCTTCAGGCTTGCTACGTCGTGCAAGAGTCAAGCCAGAACTTCAGACCC 908
Qy      701 CTGGCGTTCTGGTGGCTCTGTAGGATTCAGAGTTCACTGGGATTTGTACCTGGACACC 760
Db      909 CTGGCTGAGAAAGGTTGAGTGTGGCATACCATGACATGGGACCTGTGACTGG 968
Qy      761 GGGGACTGTGGCTGTGGCTCTCACTCTCTTCACCTGACAGAGAA----- 809
Db      969 CACGTACGGCACTGCAGACCCATCTATGATTCATGGGCTGTACGAAAGAAAATCTC 1028
Qy      810 -----GCTACCACTTCAGAGACCACTCACTGTGGAGAACCCGGTGTGGAGCC 862
Db      1029 TCCCCAGGCTTCAACTTCAGGTTTGCCAGGCACTTTGTGGAGAAC---GGGACCACTAC 1085
Qy      863 CGCACCTGCTCAAGCTTATGGAAATCCGCTTGACATCCTGTCACCCGGGCGAGGAGG 922
Db      1086 CGTCACTCTTCAAGGTTGTTGGATTCCGTTGACATCCTGTGGACGCGAAGGCCGGG 1145
Qy      923 AAGTTGGGCTCATCCCAAGCCGTCACACTGGGACCGGCGAGCTTGGCTGGCGTG 982
Db      1146 AGTTTGACATCATCCCTACATGACCAACCATCGGCTTGGAATTGGCATCTTTGGGGTG 1205
Qy      983 GTCACTTTTCTGTACCTGCTACTGCTGTATGTGGATAGAGACCATTTCTACTGG 1042
Db      1206 GCCACAGTTCTGTGACCTGCTGCTGTCTTCACATCCTGCTAAGAGGCACTACTCAAG 1265
Qy      1043 AGGACAAAGTATGAGAGGCGCAAGGCC 1069
Db      1266 CAGAGAAAGTTCAAAATACGCTGAGGAC 1292

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RESULT 13

US-09-023-655-897

Sequence 897, Application US/09023655

Patent No. 6607879

GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.

APPLICANT: Susan G. Stuart

APPLICANT: Jeffrey J. Selhammer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE

TITLE OF INVENTION: EXPRESSION

NUMBER OF SEQUENCES: 1508

CORRESPONDENCE ADDRESSES:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/023,655

FILING DATE: HEREMITH

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Zoller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0001 US

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ. ID NO: 897:

SEQUENCE CHARACTERISTICS:

LENGTH: 2643 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1166437
; US-09-023-655-897

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Query Match 8.7%; Score 233.4; DB 4; Length 2643;
 Best Local Similarity 56.7%; Pred. No. 1,4e-49;
 Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

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Qy      164 AAATCAAGGGGTTTCCGTCACTGATCAAGAGCTTGAAGACCGCTGTGGATGTG 223
Db      375 AAATCAAGGGGCTGGCCGTGACCCAGCTCCCTGGCTCAAGCCCGGATGTGGATGTG 434
Qy      224 GCCGACTTGTGAAGCACTCAGGAGAGAGTGTCTTCTGTGATCAACTTCTT 283
Db      435 GCTGACTAGTCTTCCAGCCCAAGGGGACACTCCTTGTGTATGACAAATTATATC 494
Qy      284 GTGAGCCGACCCCAAGTTGAGGAGATGCCCCAGAGACCCGTCCTCCACTATGCTAC 343
Db      495 GTGACCCCAAGCAAGCACTCAAGGCTACTGCGAGAGACCC-----AGAGGGGCAAT 548
Qy      344 TGTGGTGCAGCAGAGACTGCCCCAGAGGAGAGAGGACACACAGCCAGGTGTAAA 403
Db      549 TGCAGAGAGACAGTGTGCTGTACCCCTGGAGAGCCAGAGAGAGGCCAAGGCATTCGC 608
Qy      404 ACAGGCAAGTGTGTGTCTTCAATGGAGCCCAAGAGACCTGTGTATGATTCAGATTGTG 463
Db      609 ACAGGCAAGTGTGTGCTTCAACAGCACTGTGAGACGTGTGATGATCTTGTGGCTGTG 668
Qy      464 CCAGTGAAGAGTGGCTGTGTGCTTCGAGAGC---CCCTGCGCCCAAGGCCCAACTTC 520
Db      669 CCGGTGAGAGTGTGTGACAGACATCCCGCCCTCTCTCGAGAGGCCAGAGAACTTC 728
Qy      521 ACAGTGTATCAAAAACAGAGTCACTTCAGCAAGTTCACTTCTTAAATGTCATGCGC 580
Db      729 ACTCTTTATCAAGAAACAGACATGAGCTTCCACGCTTCAGAGTCAACAGCGCTAAC 788
Qy      581 TTGAGACCTGGAGCCCACTATTTTAAAGCACTGGCGGTATGACACCAATTCAGCTTC 640
Db      789 GTGAGAGAGTGAATGTGCTCCCAATGAGACCTGCTTTTCAAGAACCTGACCTG 848
Qy      641 TACTGTCCCGTGTTCGCAATTTGGAACTCTGTGGCAAGGCTGGAGGAACTTCATGAC 700
Db      849 CTGTGCCAGTCTTCCAGCTTGGCTAAGTGTGCAAGAGTCAAGGCCAGAACTTCAGAC 908
Qy      701 CTGGCGTTCTGGTGGCTCTGTAGGATCAAGATTCACCTGGGATTTGACCTGACACC 760
Db      909 CTGGCTGAGAAAGGTTGAGTGTGGCATCACCATGACATGACACTGTGACCTGAGACTGG 968
Qy      761 GGGGACTGTGGCTGTGGCTCTCACTCTCTTCACCTGACAGAGAA----- 809
Db      969 CACGTACGGCACTGCAGACCCATCTATGAGTTCCATGGCTGTACGAGAAATACTTC 1028
Qy      810 -----GCTACCACTTCAGAGACCACTCACTGTGGAGAACCCGGTGTGGAGCC 862
Db      1029 TCCCCAGGCTTCAACTTCAGGTTTGCCAGGCACTTTGTGGAGAAC---GGGACCACTAC 1085
Qy      863 CGCACCTGCTCAAGCTTATGGAAATCCGCTTGACATCCTGTGACCCGGGACGAGGAGG 922
Db      1086 CGTCACTCTTCAAGGTTGTTGGGATTCGCTTGAATCCTGTGAGACGCGAAGGCCGGG 1145
Qy      923 AAGTTGGGCTCATCCCAAGCCGTCGACACTGAGACCGGTCAGCTTGTGGCTGTG 982
Db      1146 AGTTTGACATCATCCCTACATGACCAACCATGCGCTGTGAAATTTGCACTTTTGGAGTG 1205
Qy      983 GTCACTTTTCTGTGACCTGCTACTGCTGTATGTGGATAGAGAACCCCACTTTCTACTGG 1042
Db      1206 GCCACAGTTCTGTGACCTGCTGCTGCTTTCACATCCTGCTTAAAGAGGCACTTAAAG 1265
Qy      1043 AGGACAAAGTATGAGAGGCGCAAGGCC 1069

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Db 1266 CAGAGAAGTTCAATACGCTGAGAC 1292

RESULT 14
US-09-949-016-365
; Sequence 365, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 365
; LENGTH: 2643
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-365

Query Match 8.7%; Score 233.4; DB 4; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;
Qy 164 AAATCTAAAGGGTTTCCCTCCTCAGTCAAGAGCTTGGAAACCGGCTGTGGATGTG 223
Db 375 AAATCTAAAGGGTTTCCCTCCTCAGTCAAGAGCTTGGAAACCGGCTGTGGATGTG 434
Qy 224 GCGGACCTGTGAAAGCCCTCAGGAGAGAAAGCTTCTTCTTGGAGCACTTCTT 283
Db 435 GCTGACCTAGCTCTTCCAGCCGAGGAGAACTCTTCTTGTGATGACCAATTTATC 494
Qy 284 GTACGCGCAGCCCAAGTTCAAGGCGAGTGGCCAGAGCAACCCGTCCTCCACTGCTAAC 343
Db 495 GTACGCGCAGCCCAAGTTCAAGGCGAGTGGCCAGAGCAACCCGTCCTCCACTGCTAAC 548
Qy 344 TCGTGGTCAAGAGCTGCCCCGAAAGGAGGAGGAGCAGACACACCGCTGTAAAA 403
Db 549 TCGAAGGAAAGAGTGGCTGTACCCCTGGGAGGCGCAAGAGGAGGAGGATCCGC 608
Qy 404 ACAAGCCAGTGTGTGTGTTCAATGGAGCCAGACGCTGTGATCTGGAGTTGTGC 463
Db 609 ACGGCAAGTGTGTGTGCTTCAAGAGCTGTGAAAGCTGTGATCTTGTGCTGTGC 668
Qy 464 CCAAGTGAAGTGTGCTTGTGCTTCCGAGG---CCCTGTGCGCCAGGCGCAGAACTTC 520
Db 669 CCGGTGAGGAGTGAAGACATCCCGGCGCTCCCTTCTCCGAGAGGCGGAAACTTC 728
Qy 521 ACACTGTTCATCAAAAACAGTCACTTCAAGCAAGTTCAACTTCTTAAGTCAATGCC 580
Db 729 ACTCTTTTCAAGAAACAGATCAGCTTTCACAGCTTCAAGGTCACAGGCGCAACTG 788
Qy 581 TTGAGAGCTGGGAGCCCACTATTTTAAGCACTGGCGCTATGAAACCAATTCAGCCCC 640
Db 789 GTGAGAGAGTGAATGCTGCCCATTAAGACCTGCTCTTTCACAAAGACCTTCACCCC 848
Qy 641 TACTGTCCGCTGTTCGCAATTTGGGAGCTCGTGGCCAGAGCTGAGGAGCACTTTCAGAG 700
Db 849 CTGAGCCAGTCTTCCAGCTTGCTAGTGTGCAAGAGTGAAGCCAGAACTTTCAGAAC 908
Qy 701 CTGAGCTTGTGGTGTCTGTAGGCACTCAAGATTCAGTGGATTGTGATCTGAGACCC 760
Db 909 CTGAGCTGAAGAGGTGTGAGTGTGGCATCACTGAGCTGAGCACTGAGACTGG 968

Qy 761 GGGGACTGTGCTGTGCTCCTCACTACTCCTTCAGCTGAGAGAGA----- 809
Db 969 CAGCTAGGCACTGCAACCCATTTATGAGTTCCATGGCTGTGACAGAAAAATCTC 1028
Qy 810 -----GCTAACAATTCAAGAGAGCCACTCACTGTGGAGAGCAACCGGTGTGAGGCC 862
Db 1029 TCCCAAGGTTCAACTTCAAGTTTGGCAGGACACTTGTGGAGAAC---GGAGCAACTAC 1085
Qy 863 CGCAGCTGTCAAGCTCTATGAAATCCGTTTGCACATCTCTGACCGGCGAGCGGG 922
Db 1086 GTCACCTCTTCAAGAGTGTGGATTCCTTGCATCTGTGACGCGCAAGGCGGG 1145
Qy 923 AAGTTGGGCTATCCCGCAGCGGCTGACAGTGGGAGCCGCGGAGCTTGGCTGGCGGTG 982
Db 1146 AAGTTTACATCATCTTCAATGACCATGAGCTGCTTGAATTTGAGCATCTTGGGGTG 1205
Qy 983 GTCACTTTTCTGTGACTGCTACTGCTATGATGTGATGAGAGAACCAATTTCTACTGG 1042
Db 1206 GCCACAGTCTCTGTGACTGCTGCTGCTTCAATCTGCTTAAGAGCACTACTACAG 1265
Qy 1043 AGCACAAGTATGAGAGGCGCAAGGCC 1069
Db 1266 CAGAGAAGTTCAATACGCTGAGAC 1292

RESULT 15
US-09-949-016-4138
; Sequence 4138, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4138
; LENGTH: 1946
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-4138

Query Match 8.6%; Score 231.6; DB 4; Length 1946;
Best Local Similarity 58.1%; Pred. No. 3.4e-49;
Matches 500; Conservative 0; Mismatches 329; Indels 31; Gaps 4;
Qy 98 TGGGCTCTCTCCCAAAAAGGCTACAGAGGGGAGGAGCTGAAACCCAGTTTCCATC 157
Db 175 TGGGTCTCTGATTAAGAAAGGTTTACAAAGAGTGCACCTCCCTGCAAGATGCTGC 234
Qy 158 ATGACCAACTCAAGGGGTTTCCGTCATCAGATCAAGAGAGCTTGGAAACCGGCTGTG 217
Db 235 ATGACCAACTCAAGGGGCGTGGCTTACCAACACCTCGGATCTTGGGAGCGGATCTGG 294
Qy 218 GATGTGGCGCACTTCTGAAAGCACTCAGAGGAGAGAAAGTGTCTTCTTGTGACCAAC 277
Db 295 GATGTGGCGCACTTCTGAAAGCACTCAGAGGAGAGAAAGTGTCTTCTTGTGACCAAC 354
Qy 278 TTTCTGTAGCGCAGCGCAAGTTTCAAGGAGAGTGGCAGAGCAACCGTCCGCTCCACTG 337
Db 355 CTGATTTGACCCCA-ACGAGCGGAGAACTGTCTGTGAGAAATGAAGCAATTCCTGAT 413
Qy 338 GCTAACTGCTGGGTGACGAGAGCTGCGCGGAAAGGAGGAGAGCAACAGCCACGCT 397
Db 414 GCGCGGTCTTCAAGAGCAAGCACTGCAAGTGGGGAAGCGGTTACAGCTGGAAACGGA 473

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OY 398 GTAAAAACAGCCAGTGTGTG---TTCAATGGAGCCACAGACCTGTGATCTGG 454
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Db 474 GTGAAGACGGGCCGCTGCTGCCGAGAGAACTTGGCCAGGGGCACTGTGATCTTT 533
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 455 AGTTGTGCCAGTGGAGAGTGGGTTGTGCTCGAGGCCCTGCTGGCCAGGCCAG 514
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 534 GCTGTGGTCCCGTGGAGACAAGCTCCAGGCCGAGAGCCATTCTGAAGAGGCCGAA 593
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OY 515 AACTTCACACTGTTCATCAAAAACACAGTCACCTTCAGAGAATTCAACTTCTAGTCC 574
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 594 GACTTCACCATTTTCAAAAGAACACATCCGTTCCCAATTCAACTTCTCAAAAGC 653
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OY 575 AATGCTTGGAGACTGGGACCCCACTATTTTAAGACATGCCGCTATGAACCAATTG 634
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Db 654 NATGTATGAGACTCAAGAGACAGATCTTTCCTGAATAATCATGCCACTTGGCCCAAG--- 710
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OY 635 AGCCCTTACTGTCCGTTTCGCAATGGGGACCTCGTGGCCAAAGCTGAGGGACCTTC 694
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Db 711 AACCACTACTGCCCCCATCTTCCGACTGGGCTCCGTGATCCGCTGGGCCGGGAGCGACTTC 770
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OY 695 GAGGACCTGGCGTTGGTGGTGGCTGTGAGGATCAGAGTTCATGGGATTGTGACTG 754
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Db 771 CAGGATATAGCCCTGAGGGGTGGCTGATAGGAAATTAATTAATGAACTGTGATCTT 830
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OY 755 GACACCGGGGACTCTGGCTGCTGCTCACTACTCTCCAGCTGCAGAGAGAAG----- 809
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Db 831 GATTAAGCTGCTGTAGTGCACCTCACTATTCTTTAGCCGCTGAGCAATAAATT 890
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OY 810 -----GTAACAATTGAGACAGCACTCATCTGTGGAGCAACCG 850
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Db 891 TCAAAGTCTGTCTCTCCGGGTACAACTTCAGATTGCCAGATATTACGAGACGCGCC 950
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 851 GGTGTGAGAGCCCGACCTCTGCTCAAGCTATGSAATCCGCTTGACATCCCTGTCACC 910
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 951 GGGGTGAGATTCCGACCTGATGAAGAAGCTACGGGATCCGCTTGACGTGATGTGAAC 1010
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 911 GGGCAGCAGAGGAAGTTCCG 930
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1011 GGCMAAGGTGCTTCTTCTG 1030
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

Search completed: November 10, 2005, 05:30:38
Job time : 451.577 secs

Result No.	Score	Query Match	Length	DB	ID	Description
1	2693	100.0	2693	10	US-09-820-095-1	Sequence 1, Appl
2	1592.6	59.1	16449	10	US-09-820-095-3	Sequence 3, Appl
3	567.4	21.1	569	9	US-09-864-761-9190	Sequence 9190, Ap
4	377	14.0	577	9	US-09-864-761-9695	Sequence 9695, Ap
5	285.6	10.6	229	22	US-10-895-225A-54	Sequence 54, Appl

Qy	1	TTGTGACTCATCTGCCCCGAGCGACTGACAGAGCTGGCGTTCCTCCACAGGGGCTAC	60
Query Match	100.0%	Score 2693;	DB 10; Length 2693;
Best Local Similarity	100.0%	Pred. No. 0;	
Matches 2693;	Conservative 0;	Mismatches 0;	Indels 0; Gaps 0
Db	1	TTGTGACTCATCTGCCCCGAGCGACTGACAGAGCTGGCGTTCCTCCACAGGGGCTAC	60

QY 61 GACAGGCTGGGGGCTTCTGGATTATAAGACGAGAAAGTGGGCTCTCTCGCCAAAAAGG 120
DB 61 GACAGGCTGGGGGCTTCTGGATTATAAGACGAGAAAGTGGGCTCTCTCGCCAAAAAGG 120
QY 121 CTACCAAGGAGCGGAGCTGGAAACCGAGTTTTCATCATCATCAACCAACTCAAGGGGTTTC 180
DB 121 CTACCAAGGAGCGGAGCTGGAAACCGAGTTTTCATCATCATCAACCAACTCAAGGGGTTTC 180
QY 181 CCGTCACTCAGATCAAGAGCTTGGAAACCGGCTGTGGAGTGTGGCCGACTTCGTGAAGCC 240
DB 181 CCGTCACTCAGATCAAGAGCTTGGAAACCGGCTGTGGAGTGTGGCCGACTTCGTGAAGCC 240
QY 241 ACCTCAGGAGAGAACGTGTTCTTCTTGGTGAACCACTTCTTGTGAACCGCAGCCCAAGT 300
DB 241 ACCTCAGGAGAGAACGTGTTCTTCTTGGTGAACCACTTCTTGTGAACCGCAGCCCAAGT 300
QY 301 TCAGGGCAGATGCCAGAGACACCCGTCGTCCTCACTGGCTAACTGCTGGGTGACAGAGA 360
DB 301 TCAGGGCAGATGCCAGAGACACCCGTCGTCCTCACTGGCTAACTGCTGGGTGACAGAGA 360
QY 361 CTGCCCCGAAAGGGAGGAGGACACACAGCCAGGTTAAAAACAGCCAGTGTGGT 420
DB 361 CTGCCCCGAAAGGGAGGAGGAGGACACACAGCCAGGTTAAAAACAGCCAGTGTGGT 420
QY 421 GTTCAATGGGACCCACAGGACTGTGAAGATCTGGAGTTGGTGGCCAGTGAAGTGGCGT 480
DB 421 GTTCAATGGGACCCACAGGACTGTGAAGATCTGGAGTTGGTGGCCAGTGAAGTGGCGT 480
QY 481 TGTGCCCTGAGAGGCCCCCTGTGGCCAGGCCAGAACTTCAACTGTTCATCAAAAAAC 540
DB 481 TGTGCCCTGAGAGGCCCCCTGTGGCCAGGCCAGAACTTCAACTGTTCATCAAAAAAC 540
QY 541 AGTCACTTCAGAGATTCAACTTCTCTAAGTCAATAGCCTTGGAGACTGGAGCCCAAC 600
DB 541 AGTCACTTCAGAGATTCAACTTCTCTAAGTCAATAGCCTTGGAGACTGGAGCCCAAC 600
QY 601 CTATTTTAAAGCACTGCCGCTATGAACCAATTACAGCCCTACTGTGCCGTGTTCCGCAT 660
DB 601 CTATTTTAAAGCACTGCCGCTATGAACCAATTACAGCCCTACTGTGCCGTGTTCCGCAT 660
QY 661 TGGGGACCTGTGGCCAAAGGCTGGAGGAGCCTTCAGAGACCTGGCCGTTGGTGGTGGCTC 720
DB 661 TGGGGACCTGTGGCCAAAGGCTGGAGGAGCCTTCAGAGACCTGGCCGTTGGTGGTGGCTC 720
QY 721 TGTAGGCACTCAGAGTTCACTGGAGTTGTGACTGTGACACCGGGAGACTTGGCTGTGGCC 780
DB 721 TGTAGGCACTCAGAGTTCACTGGAGTTGTGACTGTGACACCGGGAGACTTGGCTGTGGCC 780
QY 781 TCACTACTCTCTTCAGACTGAGAGAAAGCTAACCTTCAGAGACCACTGACTGGTG 840
DB 781 TCACTACTCTCTTCAGACTGAGAGAAAGCTAACCTTCAGAGACCACTGACTGGTG 840
QY 841 GGAGCAACCGGGGTGTGAGAGCCCGCACCTGTCAAGCTCTATGAAATCCGCTTCACAAAT 900
DB 841 GGAGCAACCGGGGTGTGAGAGCCCGCACCTGTCAAGCTCTATGAAATCCGCTTCACAAAT 900
QY 901 CCTGTCACCGGGGAGGAGGAAAGTTGGGCTCATCCCCACGGCGCTCACTGGGAC 960
DB 901 CCTGTCACCGGGGAGGAGGAAAGTTGGGCTCATCCCCACGGCGCTCACTGGGAC 960
QY 961 CCGGGGAGCTGTGGCTGGGCGGTGTCACTTTTCTGTGACTGTGACTGTGTATGTGA 1020
DB 961 CCGGGGAGCTGTGGCTGGGCGGTGTCACTTTTCTGTGACTGTGACTGTGTATGTGA 1020
QY 1021 TAGAGAAAGCCCATTTTCTACTGAGAGCAAAAGTATGAGAGGCCAAGGCCCGGAAAGCAAC 1080
DB 1021 TAGAGAAAGCCCATTTTCTACTGAGAGCAAAAGTATGAGAGGCCAAGGCCCGGAAAGCAAC 1080
QY 1081 CCGCAACTCTGTGTGAGAGGAGCTGGCCCTTGCATCCCAAGCCCGAGTGGCGAGTGCC 1140
DB 1081 CCGCAACTCTGTGTGAGAGGAGCTGGCCCTTGCATCCCAAGCCCGAGTGGCGAGTGCC 1140
QY 1141 CAGACGAGAGCTGACACTGACCCACCGGCACTGCTGTGGAGTCAACAGACACC 1200

DB 1141 CAGACGAGAGCTGACACTGACCCACCGGCACTGCTGTGGAGTCAACAGACACC 1200
QY 1201 AGGATGGCCCTGTGCCAAGTTTGAACACCCACTTGGCAACCAATTCGGGAGGCTGTAGCC 1260
DB 1201 AGGATGGCCCTGTGCCAAGTTTGAACACCCACTTGGCAACCAATTCGGGAGGCTGTAGCC 1260
QY 1261 GTTCCCTGTGTGATGAGATTGGGGGCTGGGAAGGGCGGGGCTGCTGGGATCTCA 1320
DB 1261 GTTCCCTGTGTGATGAGATTGGGGGCTGGGAAGGGCGGGGCTGCTGGGATCTCA 1320
QY 1321 GGATGAGGCCCAAGCATGAGAGATTGGGGGTAGAAATTCACCTTGAACCCAGCAACAA 1380
DB 1321 GGATGAGGCCCAAGCATGAGAGATTGGGGGTAGAAATTCACCTTGAACCCAGCAACAA 1380
QY 1381 GTCCCTCCCTGATCTCCACCTTGGTGGTGTCTGCTCAGGAGCATAGAAAGTGGCT 1440
DB 1381 GTCCCTCCCTGATCTCCACCTTGGTGGTGTCTGCTCAGGAGCATAGAAAGTGGCT 1440
QY 1441 GTGTTTGAAGCGGAGACAAACCTGACCTGTGAGACTGGAGAGCCAGAGGACCT 1500
DB 1441 GTGTTTGAAGCGGAGACAAACCTGACCTGTGAGACTGGAGAGCCAGAGGACCT 1500
QY 1501 GTATTGCAAGGCTCCGACTGTGATGTGGCAGGGGCTTCTGCTGCTGGGCTGGAGTTC 1560
DB 1501 GTATTGCAAGGCTCCGACTGTGATGTGGCAGGGGCTTCTGCTGCTGGGCTGGAGTTC 1560
QY 1561 TGTCTCCGAGTCTGTGTCGCAAGTGTCTTGAAGAGGTAGCTTACCAGCTGACGA 1620
DB 1561 TGTCTCCGAGTCTGTGTCGCAAGTGTCTTGAAGAGGTAGCTTACCAGCTGACGA 1620
QY 1621 CAGACCTCTCTGCTGTGGTCTTGGGCTCTGAGGCTCTCCCATGTGACCCCATCATAGGT 1680
DB 1621 CAGACCTCTCTGCTGTGGTCTTGGGCTCTGAGGCTCTCCCATGTGACCCCATCATAGGT 1680
QY 1681 AGAGAGCCCAACCTCTCCATCGGTCTTCAATGGGGCTGTGACTGAGCCAAAGAGCA 1740
DB 1681 AGAGAGCCCAACCTCTCCATCGGTCTTCAATGGGGCTGTGACTGAGCCAAAGAGCA 1740
QY 1741 GGAGAAAGAGGAGTGTGGGGAGGGGATTTGTTTCACTTCTGCTGTGTGATGCC 1800
DB 1741 GGAGAAAGAGGAGTGTGGGGAGGGGATTTGTTTCACTTCTGCTGTGTGATGCC 1800
QY 1801 CCAAGAGATCTTAATCTAGGAAATGGGGTGAAGTAGGAGATAATCCACTTCCATATCC 1860
DB 1801 CCAAGAGATCTTAATCTAGGAAATGGGGTGAAGTAGGAGATAATCCACTTCCATATCC 1860
QY 1861 CCAAGGCAAGGGGAGGAGTGTGTCTTGGGCCCACTGTCTTATGTTATGAGAGCCGGC 1920
DB 1861 CCAAGGCAAGGGGAGGAGTGTGTCTTGGGCCCACTGTCTTATGTTATGAGAGCCGGC 1920
QY 1921 TGTCTTCAGATGAGTACCTTTTGGCATGAGAGTGTGGAGAGAGAGAGGAGGCGGAC 1980
DB 1921 TGTCTTCAGATGAGTACCTTTTGGCATGAGAGTGTGGAGAGAGAGAGGAGGCGGAC 1980
QY 1981 GCGTAAAGTGTGATCAATGGGATCTTTCAGGACCTTCTATATCCCTCTCGGTAACCCC 2040
DB 1981 GCGTAAAGTGTGATCAATGGGATCTTTCAGGACCTTCTATATCCCTCTCGGTAACCCC 2040
QY 2041 CAGCCCAACCCCTTGGAAATCTTTCCTCAGGCTTCTGAGAGCCCTGGGGGTGGAGGCT 2100
DB 2041 CAGCCCAACCCCTTGGAAATCTTTCCTCAGGCTTCTGAGAGCCCTGGGGGTGGAGGCT 2100
QY 2101 GTGGGAGGCTGTAAATCTGAAATTCACCTTCAATCCAAAGCATACCTAGGAGCTGTGG 2160
DB 2101 GTGGGAGGCTGTAAATCTGAAATTCACCTTCAATCCAAAGCATACCTAGGAGCTGTGG 2160
QY 2161 GCAGCTGCTCGAGGAGGCGCTGGCTGTGATCCAGGCTGTGATGAGTGGCTGGAAAGAA 2220
DB 2161 GCAGCTGCTCGAGGAGGCGCTGGCTGTGATCCAGGCTGTGATGAGTGGCTGGAAAGAA 2220
QY 2221 TGGTTCAAACCAACACCAAGATCTTCCCTCAGGCTGGCTGAGTTTTCAGCTGGAATT 2280

Dh 2221 TGGTTCACAAACACACACAGATCTCCCTCAGGCTGGCCAGGTTTTCAGCTGAATT 2280
Qy 2281 CTCTCTTGTGTCCTCCAGGCGGGGAGGAAATCTTAAGTGTCCACCCAGAGGCAAGGG 2340
Db 2281 CTCTCTTGTGTCCTCCAGGCGGGGAGGAAATCTTAAGTGTCCACCCAGAGGCAAGGG 2340
Qy 2241 GCTGCTTTCACATGTGGGTAACCTGTGTATCAGGGCAAGCTGTGGAGGGCCAGGGGTGGG 2400
Db 2241 GCTGCTTTCACATGTGGGTAACCTGTGTATCAGGGCAAGCTGTGGAGGGCCAGGGGTGGG 2400
Qy 2401 CTGAGACTGGGCTGACATCTAGAAATCACTGCACTTGAGACCTTCAGTAAATGCTTGGG 2460
Db 2401 CTGAGACTGGGCTGACATCTAGAAATCACTGCACTTGAGACCTTCAGTAAATGCTTGGG 2460
Qy 2461 GTCCCTGCTGCTCTCAATCTCCAGAGCAATGTCATGGGAGAGTGGGCTTGAAGGGCG 2520
Db 2461 GTCCCTGCTGCTCTCAATCTCCAGAGCAATGTCATGGGAGAGTGGGCTTGAAGGGCG 2520
Qy 2521 AAGGTGGAGAGCAGAGGGCCCTGAGGCTTGGGTAATCCAGAGAGGGGCACTGCACTGAT 2580
Db 2521 AAGGTGGAGAGCAGAGGGCCCTGAGGCTTGGGTAATCCAGAGAGGGGCACTGCACTGAT 2580
Qy 2581 TCTCTTGGGGCCAGAGAAAGTGAATCTCAATGGCTGACAAAGTCAAGAGTAAAGCCA 2640
Db 2581 TCTCTTGGGGCCAGAGAAAGTGAATCTCAATGGCTGACAAAGTCAAGAGTAAAGCCA 2640
Qy 2641 GCAAGGCCACCAA 2693
Db 2641 GCAAGGCCACCAA 2693

RESULT 2

US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication No. US2003023368A1
; GENERAL INFORMATION:
; APPLICANT: MEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820, 095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PasteSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match 59.1%; Score 1592.6; DB 10; Length 16449;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1595; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1053 ATGAGAGAGGCAAGGCCCGCAAGCAACCGCAACTCTGTGTGAGAGGAGCTGGCCCTTG 1112
Db 13246 ATCTGCAAGGCCAAGGCCCGCAAGCAACCGCAACTCTGTGTGAGAGGAGCTGGCCCTTG 13305
Qy 1113 CATCCCAAGCCGAGCTGGCCGAGTGCCCTCAGACGAGGCTCAGCACTTGCAACCCAGGCCA 1172
Db 13306 CATCCCAAGCCGAGCTGGCCGAGTGCCCTCAGACGAGGCTCAGCACTTGCAACCCAGGCCA 13365
Qy 1173 CTGCTGCTGGAGTCTAGACACAGACACCAAGATGGCCCTGTTCAGATTCTGACACCCACT 1232
Db 13366 CTGCTGCTGGAGTCTAGACACAGACACCAAGATGGCCCTGTTCAGATTCTGACACCCACT 13425
Qy 1233 TGCCAAACCATTCGAGGAGCTGTAGACGCTTCCCTGCTGTGAGAGTTGGGGGCTGGGA 1292
Db 13426 TGCCAAACCATTCGAGGAGCTGTAGACGCTTCCCTGCTGTGAGAGTTGGGGGCTGGGA 13485
Qy 1293 AGGCGGGGCTCTGCTGGGATCTCAAGATGAGGCCCAAGCATGAGAGATTGGGGGTA 1352

Dh 13486 AGGCGGGGCTCTGCTGGGATCTCAAGATGAGGCCCAAGCATGAGAGATTGGGGTA 13545
Qy 1353 GAATTCACACCTTGAACCCCAAGCAGACAGTCCCTCCCTGATCTCCACCTTGTAGGGTG 1412
Db 13546 GAATTCACACCTTGAACCCCAAGCAGACAGTCCCTCCCTGATCTCCACCTTGTAGGGTG 13605
Qy 1413 CTGCTCAGGAGAGCCTAGAAAGTGGCTGTGTTTGTAGACGGGCAAGAACTGACCCGT 1472
Db 13606 CTGCTCAGGAGAGCCTAGAAAGTGGCTGTGTTTGTAGACGGGCAAGAACTGACCCGT 13665
Qy 1473 GGAAGCTGGAGAGAGCCCAAGAGCACTGTATGACAGGGCTCCGACTGCAATGTCAGAGG 1532
Db 13666 GGAAGCTGGAGAGAGCCCAAGAGCACTGTATGACAGGGCTCCGACTGCAATGTCAGAGG 13725
Qy 1533 GCTCTCTGCTGCTGTGGGCTTGGAGTCTCTCTCCAGTGTCTGTCTCCCAAGTCTCTTA 1592
Db 13726 GCTCTCTGCTGCTGTGGGCTTGGAGTCTCTCTCCAGTGTCTGTCTCCCAAGTCTCTTA 13785
Qy 1593 GCAGAGGTATGCTTACCAAGCTGTGACAGACAGACCCCTCTGCTGCTGGTCTGAGCCCTC 1652
Db 13786 GCAGAGGTATGCTTACCAAGCTGTGACAGACAGACCCCTCTGCTGCTGGTCTGAGCCCTC 13845
Qy 1653 CTCCCCCATCTGCACCCCCCATCATAGGTAGAGACCCCACTCCCATCGGTCTTACATGG 1712
Db 13846 CTCCCCCATCTGCACCCCCCATCATAGGTAGAGACCCCACTCCCATCGGTCTTACATGG 13905
Qy 1713 GGTCTGTGAGTGGAGGCAAGGCAAGGAGAGAGAGTATGGGGAGGGGCAATT 1772
Db 13906 GGTCTGTGAGTGGAGGCAAGGCAAGGAGAGAGTATGGGGAGGGGCAATT 13965
Qy 1773 GTTTCAGCTTCTCTGCTGTGTGTATGCCCCAGAGAGTCTTATCTAGGGAATGGGGTGG 1832
Db 13966 GTTTCAGCTTCTCTGCTGTGTGTATGCCCCAGAGAGTCTTATCTAGGGAATGGGGTGG 14025
Qy 1833 AGTAGGAGATATATCACTCTCCATCTCCCAAGGCAAGGGGAGCATGTGTCTTGGGCC 1892
Db 14026 AGTAGGAGATATATCACTCTCCATCTCCCAAGGCAAGGGGAGCATGTGTCTTGGGCC 14085
Qy 1893 CACACCTGCTTATGTTATGAGAGACCGGCTGCTTCCAGTGTGAGCCCTTTGGCCATGGAG 1952
Db 14086 CACACCTGCTTATGTTATGAGAGACCGGCTGCTTCCAGTGTGAGCCCTTTTGGCCATGGAG 14145
Qy 1953 GTCTGGAGAGAGAGCAGAGAGGCGGAGGCTAAGTGTGATATGAGGTTCTTCAAGA 2012
Db 14146 GTCTGGAGAGAGAGCAGAGAGGCGGAGGCTAAGTGTGATATGAGGTTCTTCAAGA 14205
Qy 2013 CCTTCTATATCCCTCTCTGCTTAAACCCCAAGCCCAACCCCTTGGAACTTTTCTCCAGGC 2072
Db 14206 CCTTCTATATCCCTCTCTGCTTAAACCCCAAGCCCAACCCCTTGGAACTTTTCTCCAGGC 14265
Qy 2073 TTCTCTGAGAGCCCTGGGGGTGGAGGCTGTGGAGGCTGTATCATCTGAATTCATCTTAC 2132
Db 14266 TTCTCTGAGAGCCCTGGGGGTGGAGGCTGTGGAGGCTGTATCATCTGAATTCATCTTAC 14325
Qy 2133 TCCAAAGTCATCTTAGGAAGCTGTGGGAGCTGTGAGAGGAGCCCTGCTGATC 2192
Db 14326 TCCAAAGTCATCTTAGGAAGCTGTGGGAGCTGTGAGAGGAGCCCTGCTGATC 14385
Qy 2193 CCAGGCTGATGAGTGTGAGGAAGATGTTCCAAACCAACACACCGAGATCTCCCTC 2252
Db 14386 CCAGGCTGATGAGTGTGAGGAAGATGTTCCAAACCAACACCGAGATCTCCCTC 14445
Qy 2253 AGGCTGGCCAGGTTTGTGAGTGTGAATTTCTCTTGTGTCCAGAGGGGGGCAAGGAATT 2312
Db 14446 AGGCTGGCCAGGTTTGTGAGTGTGAATTTCTCTTGTGTCCAGAGGGGGGCAAGGAATT 14505
Qy 2313 CTAAGTGTCAACCCCAAGAGAGCAAGGGGCTGTTTCACTGTGGTAACTGTGTATCAG 2372
Db 14506 CTAAGTGTCAACCCCAAGAGAGCAAGGGGCTGTTTCACTGTGGTAACTGTGTATCAG 14565
Qy 2373 GGCAGCTGTGAGAGGCGCAGGGGTGGGGCTGAGACTGGGCTGACATCTAGATCACTGC 2432
Db 14566 GGCAGCTGTGAGAGGCGCAGGGGTGGGGCTGAGACTGGGCTGACATCTAGATCACTGC 14625


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; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9695
; LENGTH: 577
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 15
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 47
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 17
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 59
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 25
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 22
; US-09-864-761-9695

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Query Match 14.0%; Score 377; DB 9; Length 577;
Best Local Similarity 100.0%; Pred. No. 2,6e-94;
Matches 377; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

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QY 2275 GGAATTCCTCTTGTGTCACAGGCGGGGAGGGAATTTAAGTGTCCACCCCAAGGAGG 2334
DB 577 GGAATTCCTCTTGTGTCACAGGCGGGGAGGGAATTTAAGTGTCCACCCCAAGGAGG 518
QY 2235 CAAGGCGCTGCTTTCACCTGTGGGACTGCTGTGATCAGGCGAAGCTGTGGAGGGCGAGG 2394
DB 517 CAAGGCGCTGCTTTCACCTGTGGGACTGCTGTGATCAGGCGAAGCTGTGGAGGGCGAGG 458
QY 2295 GTGGGCGTGAAGCTGAGTCACTAGATCACTGCGACCTGGAGGCTCAGTAAATG 2454
DB 457 GTGGGCGTGAAGCTGAGTCACTAGATCACTGCGACCTGGAGGCTCAGTAAATG 398
QY 2455 CTTGGGCTCTGCTGCTCTTCAATTCACAGGCGATGTCATGGGAGGCTGCTGCA 2514
DB 397 CTTGGGCTCTGCTGCTCTTCAATTCACAGGCGATGTCATGGGAGGCTGCTGCA 338

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QY 2515 AGGCGCAAGGTGGAGAGCAGGCGCCCTGAGGCTGGATCCAGAGAGGGGACGTGCA 2574
DB 337 AGGCGCAAGGTGGAGAGCAGGCGCCCTGAGGCTGGATCCAGAGAGGGGACGTGCA 278
QY 2575 CTTGATTTCTCTTGGGGCCCAAGAACTGATGTCTATGCTGACAAATGTCAGAGTA 2634
DB 277 CTTGATTTCTCTTGGGGCCCAAGAACTGATGTCTATGCTGACAAATGTCAGAGTA 218
QY 2635 AAGCGCAAGAGCCACC 2651
DB 217 AAGCGCAAGAGCCACC 201

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RESULT 5

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US-10-895-225A-54
; Sequence 54, Application US/10895225A
; Publication No. US20050048587A1
; GENERAL INFORMATION:
; APPLICANT: Rao, Patricia
; APPLICANT: Snyder, Jessica
; APPLICANT: Bagley, Andria
; TITLE OF INVENTION: METHODS FOR IDENTIFYING TOLERANCE
; FILE REFERENCE: T1N-025
; CURRENT APPLICATION NUMBER: US/10/895,225A
; PRIOR FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: 60/488,502
; PRIOR FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 2299
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-895-225A-54

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Query Match 10.6%; Score 285.6; DB 22; Length 2299;
Best Local Similarity 57.9%; Pred. No. 1.4e-68;
Matches 582; Conservativity 0; Mismatches 394; Indels 30; Gaps 3;

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QY 98 TGGGCTCTCTCGCCAAAAGGCTACAGAGCGGAGCCTGCAACCCCACTTTCCATC 157
DB 212 TGGGCTCTCTCGATTAAGAAAGAGATTATCAGGACATTGACCTTCCGACAGAGCTGTG 271
QY 158 ATCAACCAATCTCAAGGGGTTTCCGTACATCAATCAAGAGCTTGGAAACCGGCTGG 217
DB 272 GTCAACCAAGTCAAGGGGTTTCCGTACATCAATCAAGAGCTTGGAAACCGGCTGG 331
QY 218 GATGTGCGCACTTGTGAAGCCACTCAGGAGAGAAAGTGTCTTGTGAGCAAC 277
DB 332 GATGTGCGCACTTGTGTATTTCCGTCTCAGGGGAGAAAGTGTCTTGTGAGCAAC 391
QY 278 TTCCTTGAAGCCAGCCCAAGTTCAAGGGAGATGCCAAGACCCGTCCTCACTG 337
DB 392 CTGATCGTGACTCTTAACACAGCGGCAAGGCACTGTGCTGAGCTGAAGGATCCCGAT 451
QY 338 GCTAACCTGCTGCTGACAGAGATGCTCCCGAAGGAGAGGACACACAGCCAGGT 397
DB 452 GCGAGAGTTTCAAGGACACCGACTGTACGCTGGGAGTGTGTGACGGGACACGGA 511
QY 398 GTAATAACAGGCGAGTGTGTGTGTTCAATGGACCCACAGAACCTGTGAGATGTG 454
DB 512 CTGAATACTGTGCTGTCTGACGCTGTGAGGAACTTACCGGGGCACTGTGATCTTT 571
QY 455 AGTTGTGCTGAGTGAAGTGTGCTGTGAGGCTTGTGAGGCTTGTGAGGCTTGTG 514
DB 572 GCTTGTGCTGAGTGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 631
QY 515 AACTTCACTGTTCACTCAAAAACACAGTCACTTGAAGAGTCACTTGAAGTCC 574
DB 632 GCTTCACTGTTCACTCAAAAACACAGTCACTTGAAGAGTCACTTGAAGTCC 691
QY 575 AATGCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 634

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Db      692  AATGCGCTAGAAACAGGCAACAAACATTTCCTGAAAACCTGCACTTCAAGCTCCA---CC 748
Qy      635  AGCCCTCACTGTCGCCGTGCTCCGATTTGGGGAACCTCGTGGCCAGAGGCTGAGAGGACCTTC 694
Db      749  AATCTCTACTGCCCATCTTCGCACTGGGATCATTTGTCGCTGGGACGGGCTGCACTTC 808
Qy      695  GAGAACCTCTGGCTGCTGGGTGGCTCTGTAGGACATCAAGATTCACTGGGATTTGTGACCTG 754
Db      809  CAGACACATAGCCCTGAAAGGGGGGTGTATAGAAATCCAATTGAATGGGACTGTGACCTT 868
Qy      755  GACACCGGAGACTCTGGGCTGCTGGGCTCACTACTCCTTCCTCAAGCTCAGAGAGA----- 809
Db      869  GATTAAGCTGCTCCCACTGCACTGCACCCACATTAATTTCCTAACCGCTGTGACAAACAAAC 928
Qy      810  -----GCTACAACCTTCAGACAGACGACCTCACTGTGTGGAGACACCG 850
Db      929  ACACAACTCATCTCTCTCGGGTATTAATCTTCAGGTTTGGCAGGATTTACCGTGACCTCAT 988
Qy      851  GGTGTGAGAGGCCCGCAGCACTTGCTCAAGCTTATAGGAATCCGCTTGACATCCTGTCAC 910
Db      989  GGGGTAGAGTTTCCCGTGAACCTGATGAACATATCGAATCCGCTTGATGTGATAGTTAAT 1048
Qy      911  GGCACGAGAGGAACTTGGGCTATCCCCAGGCGCCGTCACTGGGACAGGGGGCACT 970
Db      1049  GGCAAGGGGGGAAAAATTGAGATCATCCCAACAGTCATCAACATTGGTTCGGGGCTGCG 1108
Qy      971  TGGCTGGGCGTGTGTCACTTTTTCGTGACCGTCACTGCTGTATGTGATAGAGAGCC 1030
Db      1109  CTCATGGGTGCTGGGGCTTTCTTCTGTGACCTGTGATCTTAATCTATCAGAAAGAC 1168
Qy      1031  CATTTCATCTGAGAGACAAGTATGAGAGAGGCCCAAGGCCCGGAAG 1076
Db      1169  GAGTTTACCGAGACAGAAAGTTTGAGAAAGGTGAGGGGTGCAAGAG 1214

RESULT 6
US-10-172-118-786
? Sequence 786, Application US/10172118
? Publication No. US20030224374A1
? GENERAL INFORMATION:
? APPLICANT: Dai, Hongyue
? APPLICANT: He, Yudong
? APPLICANT: Linley, Peter
? APPLICANT: Mao, Mao
? APPLICANT: Roberts, Chris
? APPLICANT: Van 't Veer, Laura
? APPLICANT: Van de Vijver, Marc
? APPLICANT: Bernards, Rene
? TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
? FILE REFERENCE: 9101-175-999
? CURRENT APPLICATION NUMBER: US/10/172,118
? PRIOR APPLICATION NUMBER: 60/380,770
? PRIOR FILING DATE: 2002-05-14
? NUMBER OF SEQ ID NOS: 2699
? SEQ ID NO 786
? LENGTH: 1978
? TYPE: DNA
? ORGANISM: Homo sapiens
? PUBLICATION INFORMATION:
? DATABASE ACCESSION NUMBER: NM_002561
? DATABASE ENTRY DATE: 2001-06-18
? US-10-172-118-786

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[illegible]

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; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2689
; SEQ ID NO 786
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-342-887-786

Query Match      9.0%; Score 243.6; DB 19; Length 1978;
Best Local Similarity 58.3%; Pred. No. 6.9e-57;
Matches 501; Conservative 0; Mismatches 329; Indels 30; Gaps 3;

Qy 98 TGGGCTCTCTCGCCCAAAAAGGCTACAGAGGCGGAGACCTGGAACCCAGTTTTCATC 157
Db 175 TGGGTGTTCTGATTAAGAAAGGTTACCAAGACGTCCACACCTCTGCGAGAGTGTCTC 234
Qy 158 ATCAACCAACTCAAGGGGTTTCCGTCACTCAGATCAAGAGCTTGAACCCGGCTGTG 217
Db 235 ATCAACCAAGTCAAGGGCGTGGCTTCAACCAACCTCGGATCTTTGGGAGCGGATCTGG 294
Qy 218 GATGTGGCCGACTTCTGTAAGCCACTCAGGAGAGAACTGTTCTTCTTGATCAAC 277
Db 295 GATGTGCCCACTACGTCATTCAGCCAGGAGAGAACTGTTTGTGTGTCACCAAC 354
Qy 278 TTCCTGTGAGCGGACCCAAAGTTCAGGGCAGATGCCAGAGCACCGCTCGTCCACTG 337
Db 355 CTGATTTGACCCCAACACGCGGAGAACTGTCTGTGTAATGAAGCATTCGTAT 414
Qy 338 GCTAACTGCTGGTTCGACGAGACTGCCCGAAGGGAGGAGGACACACAGCCAGT 397
Db 415 GGGCGGTGCTCAAGAGCAGGAGCTGCCAGCGTGGGAAGGGTTACAGCTGGAAGGA 474
Qy 398 GTAAAAACAGGCCAGTGTGTG--TTCAATGGAAACCAAGAGCCTGTGATCTGG 454
Db 475 GTGAAGACCGGCGCTCTCGGAGAGGAACTTGCCAGGGGCACTGTGATCTTT 534
Qy 455 AGTTGGCCCAAGGAGAGTGGCTGTGCTCGAGGCCCGCCGCGCCAGGCCAG 514
Db 535 GCCTGGGCGCTTGGAACAAGCTCAAGCGGAGAGCAATTCGTAAGAGAGCGAA 594
Qy 515 AACTTCACTGTTTCATCAAAAACACAGTCACTTCAAGAGTTCAACTTCTAAGTCC 574
Db 595 GACTTCACTTTTCATTAAGAACCAATCCGTTTCCCAATTCACCTTCTCCAAAAC 654
Qy 575 AATGCTTGAAGACTGGGACCCCACTATTTAAGACTGCGCTATGAACCAATTC 634
Db 655 AATGTGATGACGTCAGAGCAGATCTTTCTGAAATCATGCCACTTTGGCCCAAG-- 711
Qy 635 AGCCCCACTGTCGCGTTCGCAATGGGGACCTCGTGGCCAGAGCTGGAGGAGACCTTC 694
Db 712 AACCACTACTGCCCCATCTTCGACTGGGCTCAATCGCTCGGCGGAGGAGACTTC 771
Qy 695 GAGGACCTGGCGTGTGCTGGTGGCTCTGTAGGCACTCAGATTCACTGGGATTTGACTG 754
Db 772 CAGGATTAAGCCCTGGCAGAGTGGCGTGAATGGAATTAATTAATGAATGAACGTGATCTT 831
Qy 755 GACACCGGGGACTTGGCTGCTGCTGCTCACTCTTCCAGCTGACGAGAGAGA---- 809
Db 832 GATTAAGCTGCTGTGATGTCACCTCATATCTTTTAAAGCGCTGGAACAATAACTT 891
Qy 810 -----GCTACACTGTCAGAGCAGCACTCACTGGTGGAGCAACCG 850
Db 892 TCAAAAGTCTGCTCTCCGGGTACAACCTTCAGATTTCGAAATTTACCGAGAGCAAGCC 951
Qy 851 GATGTGAGGCGCCAGCTGCTCAAGTCTATGAATCCGCTTGAAGATCTGTCAAC 910
Db 952 GGGGTGAGATTCCGACCTGTATGAAGCCTAAGGATCCGCTTTGAAGTGAATGTGAAC 1011
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Qy 911 GGGCAGCAGGAGAGTTCCG 930
Db 1012 GGCAAGGTTCTTTCTTG 1031

RESULT 8
US-10-370-715B-571
; Sequence 571, Application US/10370715B
; Publication No. US20040258678A1
; GENERAL INFORMATION:
;   Patin Docket Preview
; APPLICANT: BODARY, SARAH C.
; APPLICANT: CLARK, HILLARY
; APPLICANT: BRISDELL, HUNTE
; APPLICANT: JACKMAN, JANET
; APPLICANT: SCHOENFELD, JILL R.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WOOD, WILLIAM I.
; APPLICANT: MU THOMAS D.
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune
; FILE REFERENCE: P1948R1-US
; CURRENT APPLICATION NUMBER: US/10/370,715B
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 742
; SEQ ID NO 571
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapien
; US-10-370-715B-571

Query Match      9.0%; Score 243.6; DB 21; Length 1978;
Best Local Similarity 58.3%; Pred. No. 6.9e-57;
Matches 501; Conservative 0; Mismatches 329; Indels 30; Gaps 3;

Qy 98 TGGGCTCTCTCGCCCAAAAAGGCTACAGAGGCGGAGACCTGGAACCCAGTTTTCATC 157
Db 175 TGGGTGTTCTGATTAAGAAAGGTTACCAAGACGTCCACACCTCTGCGAGAGTGTCTC 234
Qy 158 ATCAACCAACTCAAGGGGTTTCCGTCACTCAGATCAAGAGCTTGAACCCGGCTGTG 217
Db 235 ATCAACCAATCAAGGGCGTGGCTTCAACCAACCTCGGATCTTTGGGAGCGGATCTGG 294
Qy 218 GATGTGGCCGACTTCTGTAAGCCACTCAGGAGAGAACTGTTCTTCTTGATCAAC 277
Db 295 GATGTGCCCACTACGTCATTCAGCCAGGAGAGAACTGTTTGTGTGTCACCAAC 354
Qy 278 TTCCTGTGAGCGGACCCAAAGTTCAGGGCAGATGCCAGAGCACCGCTCGTCCACTG 337
Db 355 CTGATTTGACCCCAACACGCGGAGAACTGTCTGTGTAATGAAGCATTCGTAT 414
Qy 338 GCTAACTGCTGGTTCGACGAGACTGCCCGAAGGGAGGAGGACACACAGCCAGT 397
Db 415 GGGCGGTGCTCAAGAGCAGGAGCTGCCAGCGTGGGAAGGGTTACAGCTGGAAGGA 474
Qy 475 GTGAAGACCGGCGCTCTCGGAGAGGAACTTGCCAGGGGCACTGTGATCTTT 534
Qy 455 AGTTGGCCCAAGGAGAGTGGCTGTGCTCGAGGCCCGCCGCGGCGCCAGGCCAG 514
Db 535 GCCTGGGCGCTTGGAACAAGCTCAAGCGGAGAGCAATTCGTAAGAGAGCGAA 594
Qy 515 AACTTCACTGTTTCATCAAAAACACAGTCACTTCAAGAGTTCAACTTCTAAGTCC 574
Db 595 GACTTCACTTTTCATTAAGAACCAATCCGTTTCCCAATTCACCTTCTCCAAAAC 654
Qy 575 AATGCTTGAAGACTGGGACCCCACTATTTAAGACTGCGCTATGAACCAATTC 634
Db 655 AATGTGATGACGTCAGAGCAGATCTTTCTGAAATCATGCCACTTTGGCCCAAG-- 711
Qy 635 AGCCCCACTGTCGCGTTCGCAATGGGGACCTCGTGGCCAGAGCTGGAGGAGACCTTC 694
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Db 712 AACCACTACTGCCCCCACTCTCCGACTGGGCTCCATGCTCCGCTGGGCGGAGACGACTTC 771
Qy 695 GAGGACCTGGCGCTGTGGGTGGCTCTGTAGCATCAGAGTTCACATGGGATTTGTGACCTG 754
Db 772 CAGGATATATACCTCTGGAGAGGTGGCGTGATGGAATTAATTTGAATGGAATCTGTGATCTT 831
Qy 755 GACACCGGGGACTCTGTGCTGGCTGCTCACTACTCTCTTCCAGCTGACGAGAAGA----- 809
Db 832 GATTAAGCTGCTCTGTAGTGCACACCTCACTATTCTTTTAGCCGCTGGACATTAACCTT 891
Qy 810 -----GCTACAACTTACAGACAGCCACTCACTGCTGGAGCAACCG 850
Db 892 TCAAAGCTGTCTCTCCCTCCGGGTACAACTTCAGATTTCAGATATTAACGAGACGAGCC 951
Qy 851 GGTGTGAGGCGCCGACCCCTGCTCAAGCTCTATGGAATCCGCTTCGACATCTGTCACC 910
Db 952 GGGGTGAGTTCGCGACCCCTGATGMAAGCTTACGGGATCCGCTTTGACGTGATGTGAMC 1011
Qy 911 GGGCAGGCGAAGGAGTTCCG 930
Db 1012 GGCAGAGGTGCTTTCTTCTG 1031
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RESULT 9
US-10-989-826-17
; Sequence 17, Application US/10989826
; Publication No. US20050238650A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Crowley, Craig
; APPLICANT: De Sauvage, Frederick J.
; APPLICANT: Eaton, Daniel L.
; APPLICANT: Eby, Allen
; APPLICANT: Polson, Andrew
; APPLICANT: Smith, Victoria
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Tumor of
; FILE REFERENCE: P5105R1US
; CURRENT APPLICATION NUMBER: US/10/989,826
; PRIOR FILING DATE: 2004-11-16
; PRIOR APPLICATION NUMBER: US 60/520,842
; PRIOR FILING DATE: 2003-11-17
; PRIOR APPLICATION NUMBER: US 60/532,426
; PRIOR FILING DATE: 2003-12-24
; NUMBER OF SEQ ID NOS: 75
; SEQ ID NO 17
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-989-826-17
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Query Match 9.0%; Score 243.6; DB 23; Length 1978;

Best Local Similarity 58.3%; Pred. No. 6.9e-57; Indels 30; Gaps 3;

Matches 501; Conservative 0; Mismatches 329;

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Qy 98 TGGGCTCTCTCCGCAAAAAAGGCTACCAAGACGGGAGCTTGAAACCCAGTTTTCATC 157
Db 175 TGGGTCTCTCTGATTAAGAAAGGTTACCAAGAGTGCACACCTCCGACGAGTGTCT 234
Qy 158 ATCAACCAACTCAAAAGGGTTTCCGTCACTCAGATCAAGAGCTTGGAAACCGGCTGTG 217
Db 235 ATCAACCAAGTCAAAAGGGCGTGGCTTACCAACCTCGGATCTTGGGCGCGGATCTGG 294
Qy 218 GATGTGGCGGACTTCTGTAAGCACTCAGGGAGAGAGTGTCTTCTTGGTGAACCAAC 277
Db 295 GATGTGGCGGACTTCTGTAAGCACTCAGGGAGAGAGTGTCTTCTTGGTGAACCAAC 354
Qy 278 TTCTTGTGACGCGACCCCAAGTTTCAAGGAGATGCGCAGAGCACCCTGTCCTCCACTG 337
Db 355 CTGATTTGTACCCCAACCAAGGCGGAGAAAGTCTGTGCTGAGATGAAGGCAATCTCTGAT 414
Qy 338 GCTAACTGCTGGGTGACGAGACTGCCCCCGAAAGGAGGAGGCAACACAGCCAGGCT 397
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Db 415 GGGCGCTGCTCCAAAGACAGCGACTGTCACAGCTGGGGAAGCGGTTACAGCTGGMAACGGA 474
Qy 398 GTTAAAAACAGCCAGTGTGTGTG---TTCAATGGGACCCACAGACCTGTGACATCTGG 454
Db 475 GTGMAAACCGGCGCGCTGCTGGGAGAGGAACTGGCCAGGGGCACTGTGAGATCTTT 514
Qy 455 AGTTGTGCGCAAGTGAAGAGTGGCGCTTGTGCTTCAGAGCCCTTGTGGTCCAGTCCG 514
Db 535 GCGTGTGCGCGTGTGAGACMACCTCCAGGCGCGAGAGCCATTCCTGAAAGAGGCTTGA 574
Qy 515 AACTTCACTGTTTCAAAAACACAGTCACTTCAGCAAGTTCAAGTTCTTAAAGTCC 574
Db 595 GACTTCACCATTTTCAAAAGAACCAATCCGTTTCCCAATTCAATCTTCCAAAAAC 654
Qy 575 AATGCTTGGAGACCTGGGAGCCCACTTATTTTAAGCATGCTCCGATATGACCAATTC 634
Db 655 AATGTATGAGACCTCAGAGACAGATTTTCTGAATCATGCTTGTGCCCCCAAG--- 711
Qy 635 AGCCCTACTGTCTCCGTGTTCCGCAATTGGGACCTTGTGGCAAGGCTGGAGGACCTTC 694
Db 712 AACCACTACTGCCCCCATCTTCGAGCTGGCTCATGCTCCGCTGGGCGGAGCCACTTC 771
Qy 695 GAGGACCTGGCGTGTGCTGGGTCTGTAGGCATCAGACTTCACTGGGATGTGACCTG 754
Db 772 CAGGATATAGCCCTGGAGAGTGGCTGTGATGGAATTAATTCATATGGAATCTGATCTT 831
Qy 755 GACACCGGGGACTCTGCTGCTGCGCTCACTCTCTTCCACTGACAGAGAAAGA----- 809
Db 832 GATTAAGCTGCTCTGAGTGCACACCTCACTATTCTTTAGCGGTTTGGACATTAATTT 891
Qy 810 -----GCTACAACTTACAGACAGCCACTCACTGATGTTGAGCAACCG 850
Db 892 TCAAAGCTGTCTCTCCGAGTTACAACTTCAGATTTCGAGATTAACCAATCAAGCTC 911
Qy 851 GGTGTGAGGCGCCGACCCCTGCTCAAGCTCTATGGAATTCGCTTGCACATCTCTGACC 910
Db 952 GGGGTGAGTTCGCGACCCCTGATGMAAGCTTACGGGATCCGCTTTGACGTGATGTGAMC 1011
Qy 911 GGGCAGGCGAAGGAGTTCCG 930
Db 1012 GGCAGAGGTGCTTTCTTCTG 1031
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RESULT 10

US-10-676-289-1

; Sequence 1, Application US/10676289

; Publication No. US20050074819A1

; GENERAL INFORMATION:

; APPLICANT: TSUDA, MAKOTO

; APPLICANT: KOIZUMI, SCHUICHI

; APPLICANT: KOHSAKA, SHINICHI

; APPLICANT: KOHSAKA, KAZUHIRO

; TITLE OF INVENTION: A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN

; FILE REFERENCE: U 014843-4

; CURRENT APPLICATION NUMBER: US/10/676,289

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1

; LENGTH: 1167

; TYPE: DNA

; ORGANISM: HOMO SAPIENS

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(1164)

US-10-676-289-1

Query Match 8.9%; Score 239.2; DB 22; Length 1167;

Best Local Similarity 56.3%; Pred. No. 9.5e-56;

Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

Qy 152 TCATCATACCAAACTCAAAAGGGTTTCTGCTACTCAGATCAAGGAGCTTGGAAACCTGG 211


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Db      187  TCCGTTACGACCAAGGCTCAAGGGGTGGCTGTGACCAACTTCTTAACCTTGATCCGG 246
Qy      212  CTGTGGATGTGGCCGCTTCGTGAACCCACCTCAGGAGAGAACGTGTTCTTGTG 271
Db      247  ATCTGGATGTGGGGATATGTATATCCAGCTCAGAGAGAAATCTCTTGTGATG 306
Qy      272  ACCAATCTCTGTGACGCCAGCCCAAGTTCAAGGCGAGATGCCAGACCCGCTGC 331
Db      307  ACCAAGCTGATCTCTACCATGAAACACACAGGCGCTGTGCCGAGATTC---CAGAT 363
Qy      332  CCACTGGCTAATCTGTGGTGTGACGAGACTGCCCGAAGGGAGGAGGACACAGC 391
Db      364  GCGACCACTGTGTATATCATGATGTCAGCTGATCCGCGCTGTGCCGACACCAAGC 423
Qy      392  CAGGTGTAAAAACAGCCAGGTGTGTGTGTCTCAATGAGACCCACAGACTGTGATC 451
Db      424  AACGGAATCTCAACAGGACAGGTGGTAGCTTCAACGGGTCCGTCAAGACGTGTGAGTG 483
Qy      452  TGGAGTTGTGCCAGTGGAGAGAGTGGC---GTTGTGCCCTGAGAGCCCTGTGCCAG 508
Db      484  GCGGCTGTGTGCCGAGTGGAGATGACACACAGTGCACAACTGCTTTTAAAGCT 543
Qy      509  GCCCAGAACTTCACTACTGTTTCATCAAAAACACACTCACTTCAAGCAAGTTCACTTCT 568
Db      544  GCAGAAACTTCACTCTTTTGGTTAAGAACAACTGTGATCCCAATTTAATTTACG 603
Qy      569  AAGTTCATGCTTGGAGACTGGGACCCCACTATTTTAAGACTGCCGTGTAACA 628
Db      604  AAGAGGAATATCTTCCCAATCACCACTACTTCAAGTGTGATTTAATGAGTCT 663
Qy      629  CAATTCAGCCCTACTGTCCCGTGTTCGCAATTGGGGACCTCGGGCAAGGCTGGAGG 688
Db      664  AAAACAGATCTCTTCTCCCATATTCGCTTGTGGCAAAATAGTGGAGAACGACAGC 723
Qy      689  ACCTTGAGAGACTCGGCTTCTGTGTGCTGTGATGAGCAATCAGAGTTCACTGGATTGT 748
Db      724  AGTTCCAGGACATGGCCGTGGAGAGGACATCATGGGCAATCCAGTCAACTGGGACTGC 783
Qy      749  GACTTGACACCGGGGACTGTGGCTGTGCTGCTCACTACTCTTCCAGCTGCAGAGAA-- 806
Db      784  AACCTGACAGAGCGGCTCTCTCTGTGTGCCAGGATCTCTTCCGCGCTGTGATACA 843
Qy      807  -----AGAGCTACAATTTCAAGACAGCACTCACTGTGG 841
Db      844  CGGAGCTTGAGCAACGATATCTCTGCTACAAATTTCAAGTTTGCAGACTTACAGAG 903
Qy      842  GAGCAACCGGCTGTGAGAGCCCGACCTGCTCAAGCTTATGGAATCCGTTGACATC 901
Db      904  GACTGTGCTGGCAACGAGCAGCGACGCTCATCAAGGCTATGSCATCCGTTGACATC 963
Qy      902  CTGTCAACCGGAGCAGGAGGAACTTGGGCTCATCCCAAGCGGCTGTACAGTGGGACC 961
Db      964  ATTGTGTTTGGGAAGGACGAGGAATTTGACATCATCCCACTATGATGATCATGCGCTCT 1023
Qy      962  GGGGACACTTGGCGGGCGTGTGCTCACTTTTCTGTATACCTGCTACTGCTATGTGAT 1021
Db      1024  GGCTGCACTGTAGGCAATGGCGAGCTGTGTGATCATATGATCTCTACTGCATG 1083
Qy      1022  AGAGAACCCCAATTTCTACTGAGAGCAAAAGTATGAGAGG 1061
Db      1084  AAGAAAGACTCTACTATCGGAGAGAAATATATAATATG 1123

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RESULT 11
US-09-833-082-1
; Sequence 1, Application US/09833082
; Patent No. US20020151480A1
; GENERAL INFORMATION:
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; FILE REFERENCE: NNI-227
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218

```

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; CURRENT APPLICATION NUMBER: US/09/833,082
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ. ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-833-082-1

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Query Match      8.3%; Score 239.2; DB 9; Length 1389;
Best Local Similarity 56.3%; Pred. No. 1e-55;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

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Qy      152  TCCATCATCAACCAACTCAAGGGGTTTCCGTCACTCAGATTCAAAGAGCTTGGAAACCG 211
Db      214  TCCGTTACGACCAAGGCTCAAGGGGTGGCTGTGACCAACTTCTTAACCTTGGATTCGG 273
Qy      212  CTGTGGATGTGGCCGCTTCGTGAACCCACTCAGGAGAGAACGTGTTCTTGTG 271
Db      274  ATCTGGATGTGGCGGATTTATGTATCCAGCTCAGAGAGAAATCTCTTGTGATG 333
Qy      272  ACCAATCTCTGTGACGCCAGCCCAAGTTCAAGGCGAGATGCCAGACCCGCTGC 331
Db      334  ACCAAGCTGATCTCTACCATGAACACAGACACAGGCGCTGTGCCGAGATTC---CAGAT 390
Qy      332  CCACTGCTAATCTGTGGGTGTGACAGAGACTGCCCGAAGGGAGGAGGACACACAGC 391
Db      391  GCGACCACTGTGTATATGATGATGCAAGTGTGATGCTGCCGCTGTGCCGACCAACAGC 450
Qy      392  CAGGTGTAAAAACAGCCAGGTGTGTGTGTTCAATGGAGACCCACAGAGCTGTGATC 451
Db      451  AACGGAATCTCAACAGGCAAGTGTGCTTCAAGCGGTCCGTCAAGACTGTGAGTG 510
Qy      452  TGGAGTTGTGCCCAAGTGGAGAGTGGC---GTTGTGCCCTGAGAGCCCTGTGCCAG 508
Db      511  GCGGCTGTGTGCCGAGTGGAGATGACACACAGTGCACAACTGCTTTTAAAGCT 570
Qy      509  GCCCAGAACTTCACTGTTTCATCAAAAACACAGTCACTTCAAGCAAGTTCACTTCT 568
Db      571  GCAGAAACTTCACTCTTTTGTGTGAGAACAAATCTGTGATCCCAATTTAATTTAGC 630
Qy      569  AAGTTCATGCTTGGAGACTGGGACCCCACTATTTTAAGCACTCCGCTATGAACA 628
Db      631  AAGAGGAATATCTTCCCAATCATCAGCACTACTTCAAGTGTGATTTATGATGCT 690
Qy      629  CAATTCAGCCCTACTGTCCGTGTTCGCAATTTGGGACCTCGTGGCAAGCTGAGGG 688
Db      691  AAAACAGATCTCTTCTCCCATATTCGCTTGGCAAAATAGTGGAGAACGACAGCAC 750
Qy      689  ACCTTGAGAGACTGTGGCTGTGGTGTGCTGTGAGGATCAGAGTTCACTGGGATTGT 748
Db      751  AGTTCCAGGACATGGCCGTGGAGAGGACATGAGGATCCAGGTCAACTGGGACTGC 810
Qy      749  GACTTGACACCGGGGACTGTGGCTGTGCTCACTACTCTTCCAGCTGCAGAGAA-- 806
Db      811  AACCTGACAGAGCGGCTCTCTGTGTGCTTCCAGGATCTCTTCCCGCTGTGATACA 870
Qy      807  -----AGAGCTACAATTTCAAGACAGCACTCACTGTGG 841
Db      871  CGGAGCTTGAGCAACGATATCTCTGCTACAAATTTCAAGTTTGCAGATACAGAG 930
Qy      842  GAGCAACCGGCTGTGAGAGCCCGACCTGTCTAAGCTTATGGAATCCGTTGACATC 901
Db      931  GACTGTGCTGGCAACGAGCGACGACGCTCATCAAGGCTATGAGCATCCGTTGACATC 990
Qy      902  CTGTCAACCGGAGCAGGAGGAAATTTGGGCTCATCCCAAGCGGCTGTACACTGGGACC 961
Db      991  ATTGTGTTTGGGAAGGAGGAAATTTGACATCATCCCACTATGATCAACATCGCTCT 1050
Qy      962  GGGGACACTTGGCTGGCGGTGTACCTTTTCTGTGACCTGTACTGTGTATGTGAT 1021
Db      1051  GGCTGCACTGTAGGCAATGGCGAGCGTGTGTGATCATATGATCTCTACTGCATG 1110

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Best Local Similarity 56.2%; Pred. No. 2,8e-55;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

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QY      152  TCCATCATCAACCAACTCAAGGGGTTCCGTCATCATAGATCAAGAGCTTGGAAACGG 211
Db      187  TCCGTTACGACCAAGGTCAGGGGGTGGCTGTGACCAACTTCTTAACCTTGATTCGG 246
QY      212  CTGAGGATGGGCGAAGCTTGTGAAGCACTCAGAGGAGAAAGCTTCTTGGTG 271
Db      247  ATCTGGATGGGCGAATATGTATACAGCTCAGAGGAGAAAGCTTCTTGGTATG 306
QY      272  ACCAACTTCCTTGTGAGCCGCAAGTTCAGGGGAGATGCCAGAGACCCGCTCCGC 331
Db      307  ACCAAGCTGATCTCACCACATGAAACAGACAGGGCCCTGTGCCCCGAGATTC---CAGAT 363
QY      332  CCACTGCTAACTCTGGGTCAGAGAGACTGCCCGAAGGGAGGAGGACACACAGC 391
Db      364  GCGACCACTGTGTAAATGATGACAGCTGTACTCCGCTCTGCGGACCCACAGC 423
QY      392  CAGGTTAAAAACAGGCGAGTGTGTGTCAATGAGGCCACAGAGACCTGTGATC 451
Db      424  AAGGAGTCTCAACAGGAGAGTGTGTGCTTTCAACGGGTCTGCAAGACGTGTAGAGTG 483
QY      452  TGGAGTTGTGCCCCAGTGAAGAGTGC---GTTGTGCTTCGAGGCCCTGCTGGCCAG 508
Db      484  GCGGCTGTGTGCGGCGGTGAGAGATGACACACAGTGCACAACTGCTTTTAAAGGT 543
QY      509  GCCCAGAACTTCACACTGTTTCATAAAAACACAGTCACTTACAGCAAGTTCACTTCT 568
Db      544  GCAGAAAACTTCACTCTTTTGTGTAAAGAACACATCTGTATCCCAATTTAAATTCAGC 603
QY      569  AAGTCAATGCTTGGAGACTGGACCCCACTATTTAAGCATGTCGCTATGAACA 628
Db      604  AAGGGAATATCTTCCCAATATACCACTTAACCTCAAGTGTGATTTAAGAGCT 663
QY      629  CAATTGACCCCTACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 688
Db      664  AAAACAGATCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 723
QY      689  ACCTTGAGAGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 748
Db      724  AGTTTCCAGAGCAATGCGCTGAGAGGAGCATCATGAGCATCCAGTCAACTGGGACTGC 783
QY      749  GACCTGAGACCGGGGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 806
Db      784  AACCTGAGACAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 843
QY      807  -----AGAGCTAACACTTTCAGAGACAGCCACTGCTGCTG 841
Db      844  CGGAGCTTGAGCAACAAGTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 903
QY      842  GAGCAACCGGCTGAGAGCGCCGCACTCTGCTCAAGCTCTATGGAATCCGCTGACATC 901
Db      904  GACTGTGCTGCAACAGAGCGCACGCTCATCAAGGCTATGAGCATCCGCTTGAATC 963
QY      902  CTGCTACCGGGGAGGAGGAATGCGGCTCATCCCAAGCGGCTGACACTGGGAC 961
Db      964  ATTGTGTTGGAGAGGAGGAATTTGACATCATCCCACTATGATCAACATGGGCTCT 1023
QY      962  GGGGACCTTGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1021
Db      1024  GGCTGGCACTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1083
QY      1022  AGAGAGCCCATTTTCTACTGAGAGCAAAAGTATGAGAGG 1061
Db      1084  AAGAAAGACTCTACTATCGGAGAGAAATATATATATG 1123

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RESULT 14
US-10-386-414-18
; Sequence 18, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:

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; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Myoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE REFERENCE: MP03-0210MIM
; CURRENT APPLICATION NUMBER: US/10/386,414
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 1167
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-386-414-18

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Query Match 8.8%; Score 237.2; DB 18; Length 1167;
Best Local Similarity 56.1%; Pred. No. 3.4e-55;
Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

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QY      152  TCCATCATCAACCAACTCAAGGGGTTCCGTCATCATAGATCAAGAGCTTGGAAACGG 211
Db      187  TCCGTTACGACCAAGGTCAGGGGGTGGCTGTGACCAACTTCTTAACCTTGATTCGG 246
QY      212  CTGAGGATGGGCGAAGCTTGTGAAGCACTCAGAGGAGAAAGCTTCTTGGTG 271
Db      247  ATCTGGATGGGCGAATATGTATACAGCTCAGAGGAGAAAGCTTCTTGGTATG 306
QY      272  ACCAACTTCCTTGTGAGCCGCAAGTTCAGGGGAGATGCCAGAGACCCGCTCCGC 331
Db      307  ACCAAGCTGATCTCACCACATGAAACAGACAGGGCCCTGTGCCCCGAGATTC---CAGAT 363
QY      332  CCACTGCTAACTCTGGGTCAGAGAGACTGCCCGAAGGGAGGAGGAGGACACACAGC 391
Db      364  GCGACCACTGTGTAAATGATGACAGCTGTACTCCGCTCTGCGGACCCACAGC 423
QY      392  CAGGTTAAAAACAGGCGAGTGTGTGTCAATGAGGCCACAGAGACTTGTGAGATC 451
Db      424  AAGGAGTCTCAACAGGAGAGTGTGTGCTTTCAACGGGTCTGCAAGACGTGTAGAGTG 483
QY      452  TGGAGTTGTGCCCCAGTGAAGAGTGC---GTTGTGCTTCGAGGCCCTGCTGGCCAG 508
Db      484  GCGGCTGTGTGCGGCGGTGAGAGATGACACACAGTGCACAACTGCTTTTAAAGGT 543
QY      509  GCCCAGAACTTCACACTGTTTCATAAAAACACAGTCACTTACAGCAAGTTCACTTCT 568
Db      544  GCAGAAAACTTCACTCTTTTGTGTAAAGAACACATCTGTATCCCAATTTAAATTCAGC 603

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QY 569 AAGTCCAAATGCTTGGAGACCTGGGACCCCACTATTTTAAAGCACTGCGCTATGAACCA 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 604 AAGAGAAATATCTCTCCCAACATCACACACTACTACTCAAGTCGATTAATGATGCT 663
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 629 CAATTAGCCCCCTACTGTCTCCGTTCTCCGATTTGGGACCTCGTGGCAAGCTGGAGGG 688
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 664 AAAACAGATCTCTTCTGCCCCCATATTCCTGCTGGCAAAATATGTGGAGAACGACGACAC 723
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 689 ACCTTGAGAGACCTGGCGTTGCTGGTGGCTGTATGAGCATGACAGTTCACTGGGATTTGT 748
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 724 AGTTTCAGAGACATGCGCCGTCGAGGAGGAGCATATGGCATTCAGGTCAACTGGACTGC 783
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 749 GACCTTGACACCCGGGACTCTGCTGCTGCTGCTGCTCACTACTCTTCCAGCTGACGAGAGA-- 806
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 784 AACCTGACAGACCCGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 843
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 807 -----AGACTTACAACTTCAGACAGCACTCACTGCTG 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 844 CCGGACGTTGAGCACAACGTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 903
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 842 GAGCAACCGGCTGTGAGGCGCGCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 904 GACTTGCTGACCAACACACGACGCTCATCAAGGCTTATGGCATTCGCTTGCACATC 963
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 902 CTCGTGACCGGCGAGGAGGAAATTGCGGCTCATCCCAACGCGCTGACACTGGGCACC 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 964 ATGTGTTTGGAGAGGAGGAAATTTGACATCATCCCCCACTATGATCAACATCGGCTCT 1023
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 962 GGGGACGTTGCTGGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1024 GGGCTGGCACTGTGAGGACGAGGACCGTGTGTGACATCATAGTCTCTACTGCTCATG 1083
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1022 AGAGAGCCCATTTCTACTGAGAGACAAAGTATGAGGAG 1061
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1084 AAGAAAAGACTTACTATCGGAGAGAAATATATATATG 1123
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 15
US-10-386-414-16
; Sequence 16, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:
; APPLICANT: Koppelner-Libermann, Romana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE OF INVENTION: 55092 AND 10218 MOLECULES AND USES THEREFOR
; CURRENT APPLICATION NUMBER: US/10/386,414
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06

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; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 2048
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-386-414-16

Query Match      8.8%; Score 237.2; DB 18; Length 2048;
Best Local Similarity 56.1%; Pred. No. 4,3e-55;
Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATATATACCAACTCAAAAGGGTTTCCGTCATCTCAATCAAGAGCTTGGMAACCG 211
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 496 TCCGTTACGACCAAGGTCAAGGCGCTGGCTGTGACCAACCTTCAACTTGGATTCGAG 515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 212 CTGTGGATGTGGCGCACTTCGTGAAGCCACCTCAGAGGAGAGACGTTCTTCTGCTG 271
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 556 ATCTGGATGTGGCGGATTTATGTATACCACTCAGAGAGAAATCTCTTCTGCTGATG 615
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 272 ACCAATCTCTGTGTAGCGGACCCCAAGTTCAAGGCGAATGCCAGAGCACTTCCTTC 331
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 616 ACCAATCTCTGTGTAGCGGACCCCAAGTTCAAGGCGAATGCCAGAGCACTTCCTTC 391
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 332 CCACTGGCTAATCTGCTGGGTGACAGAGACTGCCCGAAGGAGAGAGATCAACACAGC 391
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 673 GCGACCACTGTGTAAATCAATGACAGCTGACTGCTGCGGCTTCTGCGGACCCACAGC 732
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 392 CACGGGTGTAAACACAGGCGAGTGTGTGTTCAATGGAGCCACACAGACTGTGATG 451
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 733 AACGAGTCTCAACAGGACAGGTGCTGACTTTCAGAGGCTGTGTCAAGACGTGTAGTG 792
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 452 TGGAGTGTGCTCCAGTGGAGAGTGGC--GTTGTGCTCGAGGCGCTGCTGCTGCCAG 508
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 793 GCGGCTGTGCTCCGCTGGAGATGACACACAGTCCCAACCTGCTTTTAAAGGCT 852
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 509 GCCCAACTTTCACACTGTTCATCAAAACACAGTCACTTCAAGCAAGTTCAACTTCT 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 853 GCAAAACTTCACTCTTTTGTGTTAAACAACTCTGTATGCCAATTTAATTTTATGAC 912
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 569 AAGTCCAAATGCTTGGAGACCTGGGACCCCACTATTTTAAAGCAACCTCTATTAACCA 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 913 AAGAGAAATATCTCTCCCAACATCACACACTACTTCAATGCTGCTATTAATGATGCT 972
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 629 CAATTAGCCCTACTGTCTCCGTTTCCGATTTGGGACCTCGTGACAAAGCTGGAGGG 688
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 973 AAAACAGATCTCTTCTGCCCCCATATTCCTGCTGGCAAAATATGTGAGAACGACGACAC 1032
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 689 ACCTTGAGAGACCTGGCGTTGCTGGTGGCTGTATGAGATCAGAGTTCACTGGGATTTGT 748
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1033 AGTTTCAGAGACATGCGCTGAGGAGGACATATGGGATCAAGTCAACTGGGACTGC 1092
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 749 GACCTTGACACCGGGGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 806
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1093 AACCTGACAGAGCCGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1152
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 807 -----AGACTTACAACTTCAGACAGCACTCACTGCTG 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1153 CCGGACGTTGAGCACAACGTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1212
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 842 GAGCAACCGGCTGTGAGGCGCGCACCTGCTCAAGGCTATATGGAATCCGCTTCAACATC 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1213 GACTTGCTGGAACGAGGCGACGCTCATTAAGGCTTATGAGCTTCCATTTGACATATC 1172
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 902 CTCGTGACCGGCGAGGAGGAAATTGCGGCTCATTCGCCAGGCTGCAACATGAGTACCC 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1273 ATGTGTTTGGAGAGGAGGAAATTTGACATCATCCCACTATGATCAACATCGGCTCT 1332
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 962 GGGGACGTTGCTGGGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Db 1333 GGCTGGCACTGCTAGGCATGCGACCGTGTGTGACATCATAGTCTCTACTGCATG 1392
QY 1022 AGAGAAAGCCCATTTCTACTGAGAGACAAGATATGAGAGG 1061
Db 1393 AAGAAAAGACTCTACTATCGGAGAGAGAAATATATAATATG 1432

Search completed: November 14, 2005, 20:03:30
Job time : 2228.21 secs

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